



# **EMSP 1501**

# **EMERGENCY MEDICAL TECHNICIAN**

## **SYLLABUS**

**PREPARED BY FACULTY  
DIVISION OF HEALTH SCIENCE  
TEXARKANA COLLEGE**

**Texarkana, Texas**

TC does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs or activities. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Human Resources Director, 2500 N. Robison Rd., Texarkana, TX, 75599 (903) 823-3017 [human.resources@texarkanacollege.edu](mailto:human.resources@texarkanacollege.edu)

**COURSE NAME:** Emergency Medical Technician  
**COURSE NUMBER:** EMSP 1501  
**COURSE LEVEL:** Introductory  
**CREDIT HOURS:** 5  
**LECTURE HOURS:** 76  
**LAB HOURS:** 76

**COURSE DESCRIPTION:** Introduction to the role of Emergency Medical Technician (EMT). Includes all the skills necessary to provide emergency medical care at a basic life support level in Emergency Medical Services (EMS) or other specialized services such as the emergency room, fire department, military, or law enforcement. This course must be taken concurrently with EMSP 1160 and is the preliminary course to the Associate Degree of Applied Science in Emergency Medical Technology. Successful completion of this course leads to the eligibility to take the National Registry of Emergency Medical Technicians (NREMT) exam for national licensure.

**CO-REQUISITES:** EMSP 1160

**END-OF-COURSE OUTCOMES:** The student will demonstrate proficiency in cognitive, psychomotor, and affective domains for the EMT in accordance with the current guidelines of the credentialing agency.

#### **END-OF-COURSE COMPLETION AND APPROVAL FOR NREMT EXAM**

A student must complete the following to receive a course completion and approval for NREMT Exam:

- Have a passing overall exam average (average includes both the unit exams and comprehensive final exam) of 75% or greater.
- Have a minimum passing score of 75% on the Comprehensive Final Exam.
- Have a cumulative course grade of a minimum of 75%.
- Have a minimum passing score of 85% on all psychomotor assessments including both peer reviewed and instructor graded.
- Complete a proctored and timed comprehensive computer adaptive test through EMSTesting and achieve a summative result of "Good" or "Exceptional."
- Complete American Heart Association Basic Life Support for Providers course and provide proof of eCard.
- Complete Jurisprudence Assignment with a minimum passing score of 75%.
- Complete EMSP 1160 EMT Clinical with a cumulative course grade of a minimum of 75%.

**INSTITUTIONAL EFFECTIVENESS:** The purpose of the Emergency Medical Technician (EMT) program at Texarkana College is to provide a curriculum that produces an EMT who functions in the role of a member of the profession, provider of patient-centered care, patient-safety advocate, and member of the healthcare team. Attainment of the program objectives by the EMT demonstrates effectiveness.

EMSP 1501: Emergency Medical Technician  
**STUDENT LEARNING OUTCOMES – COURSE OBJECTIVES**

Upon completion of EMSP 1501, the student will be able to:

1. Implement knowledge of the emergency medical system, workforce safety, and wellness of the EMT.
2. Articulate medical/legal/ethical issues related to the provision of basic emergency care.
3. Demonstrate knowledge of anatomical and medical terminology and abbreviations in written and oral communications.
4. Illustrate indications for medications and demonstrate the ability to safely administer them to a patient during an emergency.
5. Assemble scene information and patient assessment findings to guide emergency management.
6. Demonstrate competency and clinical reasoning in basic emergency care and transportation of an acutely ill or injured patient based on medical or trauma assessment findings.
7. Illustrate the operational roles and responsibilities of an EMT to ensure patient, public, and personnel safety.

**COURSE GRADE COMPUTATION**

The student must have a passing exam average (average includes all unit exams and final) of 75% or greater to complete the course.

The exam Average is calculated as:

- 75% = Unit Exam Average
- 25% = Comprehensive Exam Final

Once the passing exam average has been attained, the overall grade computation is:

- 60% = Overall Exam Average
- 20% = Assignments and Lecture Quizzes
- 10% = Proctored and timed comprehensive computer adaptive test through EMSTesting
- 10% = Skills Lab Peer Reviews and Instructor Testing

**GRADING SCALE:** Exam Scores are recorded as the score earned and will not be rounded. Example: 74.99 will be recorded as 74.99 and will be a “D”. **There will be NO rounding of exam averages, course averages, or other course work in the Health Sciences EMS Program.**

A = 90-100  
B = 81-89.99  
C = 75-80.99  
D = 65-74.99  
F = 0-64.99

## CLASSROOM ASSIGNMENT POLICY

All classroom assignments are expected to be completed by the due date provided on the course schedule/calendar/Moodle. Late assignments will not be accepted, and a grade of zero will be given. All assignments are expected to be turned in on Moodle, no paper assignments will be accepted unless specified by the instructor. Students are given adequate time to ensure assignments are completed before the due date. **No extensions will be given in the event of technical complications**, do not wait until the last day to turn in an assignment.

## PSYCHOMOTOR SKILLS TESTING

To qualify for EMS certification or licensure, the student must successfully demonstrate competency in each of the psychomotor skills required. Successful completion of psychomotor skill testing requires a minimum score of 85% and all critical criteria must be satisfied. The student must complete the required peer reviews before instructor testing. The student will be allowed 2 opportunities to demonstrate skill competency. If the student is unsuccessful on the 2<sup>nd</sup> attempt, the student will be required to repeat the required peer reviews for the failed skill before instructor testing. If the student fails the 3<sup>rd</sup> attempt of the psychomotor exam, the student will then meet with the Program Coordinator to determine the student's course continuation. Our goal is to give every student the optimal opportunity to be successful in this program.

## EXAM POLICIES

**EXAM POLICY:** All unit exams will be administered electronically in the classroom or testing center with deadlines as indicated on the current class schedule. The student is given adequate time to ensure exams are completed before the due date. Unit Exams are 60 questions each and the student has 60 minutes to complete. No extensions or retakes are allowed for exams.

The student is responsible to know Testing Center policies and hours of operation. If the student is late to class from an exam, the student will be considered tardy or absent according to the attendance policy.

For online exams, exam grades will be made available after a test analysis is completed by the instructors. If the exam isn't available online, a scantron version will be made available for the student. The student should not expect grades until the Friday following the exam due date.

Discussion or disclosing the exams to others constitutes a **BREACH OF ETHICS** and will be evaluated by the Dean and Professional Conduct Committee. Refrain from discussing the contents of the exams with anyone other than the faculty.

If an exam is administered in class, the student will not be allowed to bring any personal items into the classroom (purses, hats, bags, books, backpacks, cell phones, smart watches, digital devices, etc.) and only a computer (if needed for testing), pencils, and car keys will be allowed.

**EMSTESTING COMPREHENSIVE COMPUTER ADAPTIVE TEST:** This computer adaptive test will have approximately 30 questions per module. If the student is performing very well or is performing poorly, the test will end early. This means that the student might see fewer than 30 questions per module. This test will adapt to the student's response. If the student answers a question correctly, the next question will be statistically harder; if the student answers incorrectly, the next question will be statistically easier.

The student must complete a proctored and timed comprehensive computer adaptive test through EMSTesting and achieve a summative result of “Good” or “Exceptional.” This exam must be proctored by faculty or Testing Center personnel. The first attempt must be completed in class on the specific due date. Any additional attempts for course completion must be scheduled by the instructor.

If the student fails to achieve a summative result of “Good” or “Exceptional” on the proctored comprehensive computer adaptive test before the end of the course, the student will then meet with the Program Coordinator to determine the student’s course continuation. Our goal is to give every student the optimal opportunity to be successful in this program.

Students are encouraged to complete EMSTesting Computer Adaptive Tests throughout the semester. This study tool will give students an experience as close to the National Registry Exam as possible.

### **EXPECTATIONS AND COMMUNICATIONS**

**EXPECTATIONS:** The student is expected to attend all lectures and participate in group discussions and activities. It is expected that the student will come to each class prepared by having read the assigned chapter and having all the necessary equipment and materials. The student is expected to act professionally with respect for all instructors and other students. Cell phones and pagers are to be turned off or set to silence, disruptions of the instructor or fellow students will not be tolerated, and the student may be asked to leave the class. Computers in class are meant to enhance learning, internet surfing or shopping will not be allowed.

Due to the nature of this course, students may be required to move around, lift heavy objects, and lay on the floor; the student needs to dress appropriately for these activities. Students will wear the approved uniform to all classes and labs. Failure to wear the required uniform will result in dismissal from classroom activities and will result in an absence. It is the student’s responsibility to dress professionally and appropriately for all course activities.

**COMMUNICATIONS:** To better ensure that information does not get missed, it is recommended that students utilize their Texarkana College student email as their primary source of communication with instructors. It is essential to understand that instructors will not reply to emails outside of office hours unless it is an emergency. Instructors have up to two business days to respond to student email(s), excluding campus closures and holidays.

**\*Students are not allowed to utilize social media to communicate with instructors.**

## REQUIRED RESOURCES

- Emergency Care and Transportation of the Sick and Injured Advantage Package with Textbook; American Academy of Orthopedic Surgeons; Jones and Barlett 12<sup>th</sup> Edition; ISBN 9781284243758
- Platinum Planner EMT Student; Platinum Educational Group; Pearson; ISBN 9780134453750
- EMS Testing Student EMT; Platinum Educational Group; Pearson; ISBN 9780132895897
- A laptop or compatible tablet for in-classroom activities and assignments.
- Online access to Microsoft TEAMS, Moodle, JBLearning, EMSTesting, and Platinum Planner.
- A stethoscope of the student's choosing is required in the on-campus lab(s) and EMSP 1160.
- Other clinical supplies such as trauma shears, pen light, and a manual blood pressure cuff are also required.

**COMPUTER REQUIREMENT POLICY:** Students are required to have a computer with Internet access for classes. The computer must be an actual computer – smartphones, iPads, Androids, Chromebooks, etc., are not acceptable substitutes because they lack the software compatibility necessary to complete all assignments and tests. Financial costs for the necessary equipment and internet access are the responsibility of the student.

Students needing to purchase a computer may do so through the Texarkana College Bookstore. Systems purchased through the bookstore meet or exceed all requirements, are competitively priced, and may be purchased using financial aid funds. If the system is purchased through another source, it is the student's responsibility to ensure the system meets all requirements.

Computer systems requirements:

1. Webcam, microphone, and speakers or headphones
2. Windows 10 or a recent version of Mac OS (minimum Sierra). Windows 10 S mode is not supported.
3. Hardware capable of running Microsoft Teams (free download) and supports multi-media playback.
4. Support for Chrome or Microsoft Edge – Note: Firefox, Safari, or other browsers may not work on all TC applications.
5. Able to run Microsoft Office which will be provided free to TC students.
6. Adobe Reader or another PDF viewer
7. Antivirus software such as Windows Defender or another 3rd party anti-virus solution
8. Respondus Lockdown browser is used for taking tests; therefore, the system must be capable of running this software. Most newer systems that meet other specifications should work.

Students should regularly backup content to prevent loss of coursework due to hardware failure. Backup copies of documents and other coursework may be placed on OneDrive cloud storage. OneDrive is included free of charge for all TC students.

A list of Internet service providers can be found on the TC website at:

<https://www.texarkanacollege.edu/coronavirus/>.

**UNIFORM POLICY:** Students are required to dress in uniform during class and lab. Not following uniform policy will result in the student being sent home for the day and he/she will receive an absence for the day. The uniform includes a TC polo with a patch tucked into EMS Navy blue pants, black EMS boots, black EMS belt, hair should be pulled away from the face and off the shoulders. (Additional information provided in EMS Student Handbook and Clinical Syllabus)

## ATTENDANCE POLICIES

**ABSENTEE POLICY:** Texarkana College's absentee policy allows instructors to withdraw a student from a course due to excessive absences. Excessive absences exceed the maximum allowed absence. The maximum allowed absences during the 8-week program are (2) unexcused absences. In the event of a 2<sup>nd</sup> absence, the student will not be allowed to continue on the course. If a student leaves and returns during class or leaves the class before the class is over, he/she may be considered absent. Students who return to class/clinical following delivery, surgery, infections, or major illness **MUST** bring a release verification form from their medical provider approving full functioning in the student role. Release for "light duty" is not acceptable. The college is not responsible for the exacerbation of illness, injury, or infectious contact while enrolled in a Health Science course. Failure to meet class requirements, protracted fatigue, and sleepiness can lead to omissions in learning and errors in the performance of care. Such circumstances may lead to disciplinary actions up to and including being dropped from the course.

**TARDY POLICY:** Three tardies constitute one absence. Attendance will be taken at the beginning of each class period. If a student arrives 15 minutes late or leaves 15 minutes early, a tardy will be given. After 15 minutes, the student will be counted absent. If a student leaves more than 15 minutes before the scheduled end of class, the student will be counted absent. Students who are late will be required to sign into the instructor's attendance folder with the time of arrival. After 3 tardies, an absence will be assigned.

**EXCUSED ABSENCES:** A student's absence due to school trips and/or school business will not be counted against a student's allowable number of absences. The student needs to submit a notice of absence via email to the instructor prior to the scheduled class day. Responsibility for work missed for any absences is placed on the student. Instructors are required to allow students to make up work missed if the absence is due to TC school business, TC school trips, military duty, or religious holy days when students follow the correct notification procedures. Instructors are not required to allow students to make up work for absences due to other reasons. A student should not stop attending a class without formally withdrawing from the course by the institution's published Last Day for Students to Drop. If the student stops attending class after the published Last Day for Students to Drop, the student may receive a grade of "F" in the class. The instructor will submit the last date of attendance for the students receiving a grade of "F" or W". Withdrawal from a course may affect a student's current or future financial aid eligibility. Students should consult the Financial Aid Office to learn both the short- and long-term consequences of a withdrawal.

**MAKE-UP ASSIGNMENT POLICY:** Students are responsible for contacting the instructor to discuss content and make-up lab skills that were missed during an absence. If a student misses a lecture, an online lecture is available to the student in JBLearning. The instructor is not expected to repeat a lecture in class or out of class. **Late homework assignments will not be accepted, and a grade of zero will be given. All missed scheduled exams will receive a grade of zero.**

## **INCLEMENT WEATHER AND CAMPUS CLOSURE POLICY**

Texarkana College has scheduled its instructional program to comply with the Common Calendar of the Texas Higher Education Coordinating Board, as well as to meet instructional requirements for awarding credit hours earned. College instructors are obligated to meet all scheduled classes. If severe weather makes it necessary to cancel classes or to meet virtually, Texarkana College will utilize the RAVE emergency notification system to send text messages and emails to students, faculty, and staff regarding the schedule change. Texarkana College will also post updates and information regarding closures and schedule changes on the institution's website located at [www.texarkanacollege.edu](http://www.texarkanacollege.edu) and on social media.

In addition, College authorities will make every effort to provide information to local media stations and social media outlets as a supplemental source of communication. However, authorized information and determinations on closures and schedule changes will be officially announced via institutional resources (TC RAVE emergency notification system utilizing texts and emails, and the institution's website and social media sites). If College authorities cancel classes, then all work is delayed until the next class meeting or until a date determined by the instructor. If a student is in an area that experiences severe weather and the College has not officially closed, then it is that student's responsibility to decide whether or not to attend class. The student must then contact the instructor for information concerning make-up for the work missed.

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, Texarkana College may need to move to altered operations and course delivery methods. During this time, Texarkana College may opt to continue delivery of instruction through methods that include but are not limited to an online learning management system (Jenzabar or Moodle), online conferencing through TEAMS, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor Texarkana College's website ([www.texarkanacollege.edu](http://www.texarkanacollege.edu)) for instructions about continuing courses remotely, instructor email notifications on the method of delivery and course-specific communication, and Texarkana College email notifications for important general information.

## **TESTING CENTER POLICIES**

The Testing Center is located in the Palmer Memorial Library.

To Take a Test: Students must arrive on time and present a TC picture ID.

The student must know:

1. Course Name (EMPS 1501)
2. The Test or Exam Unit Number

\*Please see the Texarkana College website for Testing Center hours and policies each semester.

No exams will start within one hour of the posted closing time. Check with the testing center for a schedule of any weekend openings each semester. The Testing Center is not open on College Holidays.

Additional Information: Students are not allowed to have food or drinks in the classroom, lab, or Testing Center. The cost of damage to computer equipment can be significant due to a minor mishap. Students may not bring a cellular phone or pager to class or the Testing Center without prior written approval from the Dean of Students. If you leave the Testing Center for any reason during an exam, the exam will be over. You will not be allowed to come back and complete the exam.



## **FINANCIAL AID**

Attention! Dropping this class may affect your funding in a negative way! You could owe money to the college and/or federal government. Please check with the Financial Aid office before deciding.

## **DISABILITY ACT STATEMENT**

Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact the Director of Advisement at 903.823.3283, or go by the Recruitment, Advisement, and Retention Department located in the Administration building for personal assistance.

If you have an accommodation letter from their office indicating that you have a disability, which requires academic accommodations, please present it so we can discuss the accommodations that you might need for this class. **It is best to request these changes at the beginning if not before the start of class** so there is ample time to arrange the accommodations.

## **ACADEMIC DISHONESTY STATEMENT**

Scholastic dishonesty, involving but not limited to cheating on a test, plagiarism, collusion, or falsification of records will make the student liable for disciplinary action after being investigated by the Dean of Students. Proven violations of this nature may result in the student being dropped from the class with an "F." This policy applies campus-wide, including the TC Testing Center, as well as off-campus classroom or lab sites.

## **SECURITY**

Please keep your vehicle locked whenever you are away from it. Make sure you don't leave any valuables in plain sight (purse, phone, laptop). We want you to be safe. You must acquire a TC parking permit and display it in your vehicle. You must also have a TC student ID badge and keep it with you at all times.

**\*Campus police EMERGENCY line: (903) 823-3330  
Available 24 hours a day/7 day a week**

### **Basic Needs Security Statement**

Any student who has difficulty affording groceries or accessing enough food to eat every day, or who lacks a safe and stable place to live and believes this may affect their performance in this course or ability to remain in school, is urged to contact *Tonja Blase, Director of Student Retention, at (903)823-3349* for support. Furthermore, please notify the professor if you are comfortable doing so. This will enable them to provide any resources that they may possess.

**Texarkana College Student Counselor: (903) 823-3143**

**Suicide Hotline: 988**

<b>UNIT 1: INTRODUCTION TO EMS</b>
<b>OBJECTIVES</b>
<p>After the completion of the unit, the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Apply fundamental knowledge of the EMS system, the safety/well-being of the EMT, and medical/legal and ethical issues to the provision of emergency care.</li> <li>2. Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.</li> <li>3. Use foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.</li> <li>4. Apply fundamental knowledge of the anatomy and function of all human systems to the practice of EMS.</li> <li>5. Apply fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.</li> <li>6. Apply fundamental knowledge of lifespan development to patient assessment and management.</li> <li>7. Apply fundamental knowledge of patient safety to the provision of emergency care.</li> <li>8. Apply fundamental knowledge of transferring patient care; how to interact within the team structure; and team communication and dynamics.</li> </ol>
<b>THEORETICAL CONTENT</b>
<p><b>Textbook:</b></p> <ul style="list-style-type: none"> <li>Chapter 1: EMS Systems</li> <li>Chapter 2: Workforce Safety and Wellness</li> <li>Chapter 3: Medical, Legal, and Ethical Issues</li> <li>Chapter 4: Communication and Documentation</li> <li>Chapter 5: Medical Terminology</li> <li>Chapter 6: The Human Body</li> <li>Chapter 7: Life Span Development</li> <li>Chapter 8: Lifting and Moving Patients</li> <li>Chapter 9: The Team Approach to Health Care</li> </ul>
<b>LEARNING ACTIVITIES</b>
<ol style="list-style-type: none"> <li>1. Lecture PowerPoint presentations</li> <li>2. Case Study PowerPoint presentations</li> <li>3. Skill Drill PowerPoint presentations</li> </ol>
<b>EVALUATION</b>
<ol style="list-style-type: none"> <li>1. Homework Assignments</li> <li>2. Quizzes</li> <li>3. Unit Exam</li> </ol>

**UNIT 2: CARDIOPULMONARY EMERGENCIES WITH AIRWAY & SHOCK MANAGEMENT**

**OBJECTIVES**

After the completion of the unit, the student will be able to:

1. Apply scene information and patient assessment findings (scene size-up, primary, and secondary assessment, patient history, and reassessment) to guide emergency management.
2. Apply knowledge of general anatomy and physiology to patient assessment and management to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.
3. Apply fundamental knowledge of the medications that the EMT may assist/administer to a patient during an emergency.
4. Apply fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure or arrest, cardiac failure or arrest, and post-resuscitation management.
5. Apply fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.
6. Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.

**THEORETICAL CONTENT**

**Textbook:**

- Chapter 10: Patient Assessment
- Chapter 11: Airway Management
- Chapter 12: Principles of Pharmacology
- Chapter 13: Shock
- Chapter 14: BLS Resuscitation
- Chapter 16: Respiratory Emergencies
- Chapter 17: Cardiovascular Emergencies

**LEARNING ACTIVITIES**

1. Lecture PowerPoint presentations
2. Case Study PowerPoint presentations
3. Skill Drill PowerPoint presentations

**EVALUATION**

1. Homework Assignments
2. Quizzes
3. Unit Exam

## **UNIT 3: MEDICAL EMERGENCIES**

### **OBJECTIVES**

After the completion of the unit, the student will be able to:

1. Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.
2. Understand the significance and characteristics of assessment and basic care management involving patients with neurologic emergencies.
3. Understand the anatomy and physiology of the gastrointestinal, genitourinary, and renal systems.
4. Understand the significance and characteristics of diabetes, sickle cell disease, clotting disorders, and the complications associated with each.
5. Discuss hematologic emergencies and describe sickle cell disease, hemophilia, thrombophilia, and deep vein thrombosis.
6. Recognize and manage hypersensitivity disorders and anaphylactic reactions.
7. Describe the assessment and treatment of a patient with suspected poisoning, toxic exposure, or suspected overdose.
8. Recognize behaviors that pose a risk to the EMT, patient, or others and the basic principles of the mental health system.
9. Discuss the special, age-related patient management considerations EMTs should provide for both younger and older female patients who are experiencing gynecologic emergencies.

### **THEORETICAL CONTENT**

#### **Textbook:**

- Chapter 15: Medical Overview
- Chapter 18: Neurologic Emergencies
- Chapter 19: Gastrointestinal and Urologic Emergencies
- Chapter 20: Endocrine and Hematologic Emergencies
- Chapter 21: Allergy and Anaphylaxis
- Chapter 22: Toxicology
- Chapter 23: Behavioral Health Emergencies
- Chapter 24: Gynecologic Emergencies

### **LEARNING ACTIVITIES**

1. Lecture PowerPoint presentations
2. Case Study PowerPoint presentations
3. Skill Drill PowerPoint presentations

### **EVALUATION**

1. Homework Assignments
2. Quizzes
3. Unit Exam

<b>UNIT 4: TRAUMA MANAGEMENT</b>
<p><b>OBJECTIVES</b></p> <p>After the completion of the unit, the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Apply fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely injured patient.</li> <li>2. Understand the structure and function of the circulatory system, the significance and characteristics of bleeding, the importance of personal protective equipment when treating a bleeding patient, the characteristics of external and internal bleeding, how to conduct a patient assessment, and methodologies for controlling bleeding.</li> <li>3. Understand the types of open and closed soft-tissue injuries; how to care for soft-tissue injuries, including the use of dressings and bandages; and the assessment and care of different types of burns, including thermal, chemical, and electrical burns.</li> <li>4. Understand how to manage trauma-related issues with the face and neck. Demonstrate management of common eye injuries such as foreign objects, puncture wounds, lacerated eyelids, burns, impaled objects, and complications from blunt trauma are included.</li> <li>5. Understand how to manage trauma-related issues of the head and spine and will recognize life threats associated with these injuries as well as the need for immediate spinal stabilization and, potentially, airway and breathing support.</li> <li>6. Understand how to manage a patient with chest trauma and recognize life threats associated with these injuries and how provide immediate intervention.</li> <li>7. Understand how to manage a patient with abdominal and genitourinary trauma.</li> <li>8. Understand the pathophysiology, assessment, and management of upper and lower extremity orthopedic trauma, open fractures, closed fractures, dislocations, sprains/strains, pelvic fractures, and amputations/replantation.</li> <li>9. Understand how to assess and management of general and specific types of environmental emergencies including hypothermia, local cold injuries such as frostbite, and heat exposure illnesses such as heatstroke.</li> </ol>
<p><b>THEORETICAL CONTENT</b></p> <p><b>Textbook:</b></p> <ul style="list-style-type: none"> <li>Chapter 25: Trauma Overview</li> <li>Chapter 26: Bleeding</li> <li>Chapter 27: Soft-Tissue Injuries</li> <li>Chapter 28: Face and Neck Injuries</li> <li>Chapter 29: Head and Spine Injuries</li> <li>Chapter 30: Chest Injuries</li> <li>Chapter 31: Abdominal and Genitourinary Injuries</li> <li>Chapter 32: Orthopedic Injuries</li> <li>Chapter 33: Environmental Emergencies</li> </ul>
<p><b>LEARNING ACTIVITIES</b></p> <ol style="list-style-type: none"> <li>1. Lecture PowerPoint presentations</li> <li>2. Case Study PowerPoint presentations</li> <li>3. Skill Drill PowerPoint presentations</li> </ol>
<p><b>EVALUATION</b></p> <ol style="list-style-type: none"> <li>1. Homework Assignments</li> <li>2. Quizzes</li> <li>3. Unit Exam</li> </ol>

**UNIT 5: SPECIAL POPULATIONS & EMS OPERATIONS****OBJECTIVES**

After the completion of the unit, the student will be able to:

1. Apply fundamental knowledge of growth, development, and aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.
2. Demonstrate appropriate assessment and care for the types of illness and injury affecting children of all ages, injury patterns based on size, and special body system injuries.
3. Understand the types of illnesses and injuries common to the geriatric population.
4. Understand the unique anatomy and physiology of, and assessment and treatment needed for these patients.
5. Describe the operational roles and responsibilities of the EMT to ensure patient, public, and personnel safety.
6. Describe and apply, in context, EMS rescue operations, including vehicle extrication and its 10 phases.
7. Describe and apply, in context, the National Incident Management System (NIMS), including describing command and general staff roles.
8. Describe what constitutes terrorism and the EMT's response to terrorism, and they will be able to apply this knowledge.

**THEORETICAL CONTENT****Textbook:**

- Chapter 34: Obstetrics and Neonatal Care
- Chapter 35: Pediatric Emergencies
- Chapter 36: Geriatric Emergencies
- Chapter 37: Patients with Special Challenges
- Chapter 38: Transport Operations
- Chapter 39: Vehicle Extrication and Special Rescue
- Chapter 40: Incident Management
- Chapter 41: Terrorism Response and Disaster Management

**LEARNING ACTIVITIES**

1. Lecture PowerPoint presentations
2. Case Study PowerPoint presentations
3. Skill Drill PowerPoint presentations

**EVALUATION**

1. Homework Assignments
2. Quizzes
3. Unit Exam

**TEXARKANA COLLEGE  
EMERGENCY MEDICAL TECHNICIAN  
STUDENT COURSE REQUIREMENT AND PROGRAM COMPLIANCE AGREEMENT**

I have read the EMSP 1501 and EMSP 1160 Course Syllabus and Clinical Packet and understand the course requirements and policies. I agree to comply with the clinical and classroom policies to meet the requirements for course completion.

I have read the Texarkana College Emergency Medical Technology Program Handbook and understand the policies and procedures stated therein. I agree to comply with all policies and procedures to meet the requirements for course completion.

I have read the Texarkana College Health Sciences Division Student Handbook and the Texarkana College Student Handbook and understand the policies described therein. I agree to comply with these policies.

I understand and can utilize the procedures for Standard Precautions that are in the Health Science Student Handbook.

I understand that as a student in Health Science, I am required to be up to date on all immunizations (including TDaP, TB skin test, influenza, and Hepatitis B) during my enrollment in the Health Science Program.

I understand that as a student enrolled at Texarkana College in the Emergency Medical Technician Program, I am entering a profession with a stated code of ethics. (Texarkana College Student Handbook).

I agree to adhere to and maintain strict CONFIDENTIALITY in all situations relating to patient information and care. I also recognize that disclosing the content of clinical teaching scenarios constitutes a breach of ethics. I, therefore, agree to refrain from discussing the contents of these learning experiences with anyone other than the faculty.

During my enrollment in EMSP 1501 and EMSP 1160, I understand that photographs and/or videos of clinical teaching/learning activities may take place. Such photos/videos will be the property of Texarkana College and used for learning or advertising purposes only. They would not be used for profit by Texarkana College or the Health Science Division. By signing below, I consent to the activities mentioned above.

Courses: EMSP 1501 and EMSP 1160

\_\_\_\_\_  
Student printed name

\_\_\_\_/\_\_\_\_/\_\_\_\_  
Date

\_\_\_\_\_  
Student Signature