

TEPA 1511 – Advanced Skills Lab (3 Credits)

Description

The Advanced Skills Lab course provides practical learning of skills and National Registry competencies. These include cricothyrotomy, thoracotomy, childbirth (both normal and abnormal deliveries), trauma assessment, hemorrhage and shock management, bandaging, and splinting. Students show competency in the National Standard Curriculum.

Course Objectives

- Demonstrate competency on National Standards in the entire spectrum of paramedic practice.
- Demonstrate and record performance in the NREMT lab portfolio.
- Illustrate how multisystem trauma and Mechanism of Injury (MOI) relate to patient assessment and scene management.
- Differentiate the pathophysiology, assessment, and management of lung injuries, myocardial injuries, vascular injuries, and other chest-related injuries.
- Integrate the pathophysiology, assessment, and critical decision-making skills indicated for patients in special populations.
- Demonstrate patient management in simulated out-of-hospital scenarios of the medical and trauma patient.

Course Outline

- Medication Administration
- Cardiac Management
- Trauma Management
- Medical Emergencies
- Advanced Airways Techniques
- Integrated Simulations
- Hospital-based Skills

Assignments & Assessments

Lab Day 1: Cardiac Monitoring, 12-Lead
Lab Day 3: Cardiac Sims, NREMT
Lab Day 4: Med Skill Drills
Lab Day 5: Neurological Sims
Lab Day 6: Environmental Sims
Lab Day 7: BMed, etc.
Lab Day 8: Hospital-Based Skills
Lab Day 9: Behavioral Simulations
Lab Day 10: Obstetric Simulations
Lab Day 11: Paramedic Day Care
Lab Day 12: Crazy Sim Day
Lab Day 13: Trauma Llama 1
Lab Day 14: Trauma Llama 2
Lab Day 15: Camping, Day 1
Lab Day 16: Camping, Day 2
2nd Term Psychomotor Exam
Evidence-Based Practice Toolkit for Nursing
Duke University- EBP Tutorial
PICOT_ Questions_ Template.pdf
PICO(T) Question Assignment
Johns Hopkins Nursing Evidence-Based Practice Evidence
Level and Quality Guide
Literature Review Outline Template.docx
Literature Review 1st Draft
Evidence-Based Practice Paper, Draft 2
End of Course Survey
Instructor Resources
Lesson Plan: Lesson 74
Rescue Scene Awareness Handout: Lesson 74
Required Resources
Lesson Guide: Lesson 74
Chapter 47 Transport Operations
Chapter 49 Vehicle Extrication and Special Rescue
Watch the following videos:
Driving the Ambulance
Mayo Clinic Landing Zone Training
Vehicle Extrication: Size-up and Stabilization
Rescue Methods FR1: Water Rescue - Throwbag
Fundamentals
New Backboarding Procedure (American Red Cross)
How to Break Glass
Skill Evaluation Sheets: Chapter 49
Skill Evaluation Sheets: Lesson 74
Skill Drills: Chapter 49
Interactive Lecture: Chapter 47
Interactive Lecture: Chapter 49
Student-Facilitated Scenario Handout: Lesson 74

Scenario Role Cards: Lesson 74
Recommended Resources
Slides: Chapter 47
Slides: Chapter 49
Lecture Outline: Chapter 47
Lecture Outline: Chapter 49
Case Studies: Chapter 47
Case Studies: Chapter 49
Assessment in Action: Chapter 47
Assessment in Action: Chapter 49
Flashcards: Chapter 47
Flashcards: Chapter 49
Lesson 74 In-Class Quiz
Instructor Resources
Lesson Plan: Lesson 71
Patient Cards: Lesson 71
Required Resources
Lesson Guide: Lesson 71
Student -Facilitated Scenario Handout: Lesson 71
Scenario Role Cards: Lesson 71
Chapter 48 Incident Management and Mass-Casualty
Incidents
Chapter 52 Disaster Response
Virtual Ride-Along Video: Mass-Casualty Incident Drill
FEMA: ICS 100, ICS 200
Interactive Lecture: Chapter 48
Interactive Lecture: Chapter 52
Recommended Resources
Slides: Chapter 48
Lecture Outline: Chapter 48
Lecture Outline: Chapter 52
Case Studies: Chapter 48
Case Studies: Chapter 52
Assessment in Action: Chapter 48
Assessment in Action: Chapter 52
Flashcards: Chapter 48
Flashcards: Chapter 52
Lesson 71 In-Class Quiz
Instructor Resources
Lesson Plan: Lesson 73
Crime Scene Handout : Lesson 73
Team Drills Patient Handout: Lesson 73
Lecture Outline: Chapter 51
Lecture Outline: Chapter 53
Required Resources
Lesson Guide: Lesson 73
Chapter 51 Terrorism Response

Chapter 53 Crime Scene Awareness

Watch the Following Videos

EMS Response to Crime Scenes

What Are Chemical Weapons? (Lesson 1: Chemical Weapons)

Chemical Weapons - Blister Agents (Lesson 2: Chemical Weapons)

Chemical Weapons - Nerve Agents (Lesson 3: Chemical Weapons)

Interactive Lecture: Chapter 51

Interactive Lecture: Chapter 53

Student-Facilitated Scenario Handout: Lesson 73

Scenario Role Cards: Lesson 73

Recommended Resources

Slides: Chapter 51

Slides: Chapter 53

Case Studies: Chapter 51

Case Studies: Chapter 53

Assessment in Action: Chapter 51

Assessment in Action: Chapter 53

Flashcards: Chapter 51

Flashcards: Chapter 53

Lesson 73 In-Class Quiz

PHTLS Coursework, Participation, Test

AMLS Pre-course Work

Instructor Resources

Lesson Plan: Lesson 72

Think, Find, Ask Handout: Lesson 72

Hazardous Materials Action Plan: Lesson 72

Required Resources

Lesson Guide: Lesson 72

Chapter 50 Hazardous Materials

Watch the following videos:

Overview of the Emergency Response Guidebook (ERG)

Section 3: Hazardous Materials Awareness

Firefighter Rehabilitation

Skill Evaluation Sheets: Chapter 50

Skill Drills: Chapter 50

Student-Facilitated Scenario Handout: Lesson 72

Scenario Role Cards: Lesson 72

Recommended Resources

Slides: Chapter 50

Lecture Outline: Chapter 50

Case Studies: Chapter 50

Assessment in Action: Chapter 50

Flashcards: Chapter 50

Interactive Lecture: Chapter 50

Lesson 72 In-Class Quiz

End Of Course Survey

Appendix: Career Development

Virtual Ride-Alongs

Virtual Ride-Along Video: COPD

Virtual Ride-Along Video: Allergic Reaction

Virtual Ride-Along Video: Altered Mental Status

Virtual Ride-Along Video: Assault

Virtual Ride-Along Video: Attempted Suicide

Virtual Ride-Along Video: Cardiac Arrest

Virtual Ride-Along Video: Fall in Apartment

Virtual Ride-Along Video: Geriatric Altered Mental Status

Virtual Ride-Along Video: GI Bleed

Virtual Ride-Along Video: Motorcycle Crash

Virtual Ride-Along Video: Pediatric Trauma

Virtual Ride-Along Video: Psychiatric Emergency

Virtual Ride-Along Video: Respiratory Distress

Virtual Ride-Along Video: Seizure

Virtual Ride-Along Video: Weakness

Virtual Ride-Along Video: Situational Awareness

Skill Videos

Skill Video: Apply Cervical Collar

Skill Video: Bag-Mask Ventilation

Skill Video: Bandaging Techniques

Skill Video: Bronchodilator: Metered-Dose Inhaler

Skill Video: Bronchodilator: Small Volume Nebulizer

Skill Video: Epinephrine Auto-Injector

Skill Video: Head Tilt-Chin Maneuver

Skill Video: Intraosseous Access

Skill Video: Jaw-Thrust Maneuver

Skill Video: Long Bone Injury

Skill Video: Mouth-to-Mask Ventilation

Skill Video: Nasopharyngeal Airway

Skill Video: Nasotracheal Intubation

Skill Video: Oral Medication Administration

Skill Video: Oral Suctioning

Skill Video: Oropharyngeal Airway

Skill Video: Orotracheal Intubation by Direct Laryngoscopy

Skill Video: Oxygen Administration by Nonrebreathing Mask

Skill Video: Patient Lifting

Skill Video: Recognition of an Airway Obstruction

Skill Video: Seated Spinal Motion Restriction

Skill Video: Spine Assessment

Skill Video: Supine Spinal Motion Restriction

Skill Video: Tongue-Jaw Lift Maneuver

Skill Video: Vital Signs Assessment

Classroom Hours

Start: 06-05-2026

End: 09-18-2026

Tu, Fr

1:00 PM - 6:00 PM

Saturday

8:00 AM - 3:00 PM

For a full list of course hours visit: [Course Schedule](#)

Instructor Contact Information

Nancy Small — nsmall@stech.edu

Tyler March — tmarch@stech.edu

Matthew Goodman — mgoodman@stech.edu

Office Hours: By appointment

Email is the preferred method of communication; you will receive a response within 24 hours during regular business hours.

Canvas Information

Canvas is where course content, grades, and communication will reside for this course.

- Canvas URL: stech.instructure.com
 - For Canvas passwords or any other computer-related technical support contact Student Services.
 - For Regular Hours and Weekdays call (435) 586 - 2899
 - For After Hours and Weekends call (435) 865 - 3929 (Leave a message if no response)
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Policies

Course Grading

Students must demonstrate a minimum competence in all areas of the course with an 80% to be able to progress in the program. Any grade below a B- is considered failing the course.

Grade Scale: The following grading scale will be used to determine a letter grade.

A : 94 - 100%	A- : 90 - 93%	B+ : 87 - 89%	B : 83 - 86%
B- : 80 - 82%	C+ : 77 - 79%	C : 73 - 76%	C- : 70 - 72%
D+ : 67 - 69%	D : 63 - 66%	D- : 60 - 62%	F : 0 - 59%

Course Policies

The preparatory nature of this course requires the student be actively involved and dedicated to learning the material and completing the coursework. Course content is foundational to the education of a paramedic. If there is difficulty with any of the information or concepts, please seek help early so that you can be assisted in attaining and assimilating the essential content. If a student has completed foundational courses in Anatomy, Physiology, English, and Math and demonstrates adequate retention and integration of content, OR passes the Fisdap Paramedic Entrance Exam with >80%, credit will be awarded and attendance of this course will be waived. This course does not contain any tests, but various assignments to assess understanding. Each writing assignment is awarded points according to how well the submission follows the requirements of the assignment and are graded according to the college writing guidelines. Math, Anatomy and Physiology assignments are graded on accuracy and correctness. The concepts in this course are essential to progress within the program, and the course is very brief. Therefore, 100% attendance is required. If there are extreme circumstances, contact the Program Director to discuss the situation. Be courteous to your other classmates and keep cell phone use to a minimum and take only necessary phone calls out in the hall.

Additional Information

InformaCast Statement: Southwest Tech uses InformaCast to ensure the safety and well-being of our students. In times of emergency, such as weather closures and delays, this app allows us to promptly deliver notifications directly to your mobile devices. To stay informed and receive real-time updates, we encourage all students to sign up for notifications. Your safety is our priority, and staying connected ensures a swift response to any unforeseen circumstances. More information and directions for signing up are available at: <https://stech.edu/emergency-notifications/>

Internet Acceptable Use Policy: The student is expected to review and follow the Southwest Technical College Internet Safety Policy at: <https://stech.edu/students/policies/>

Student Code of Conduct Policy: The student is expected to review and follow the Southwest Technical College Student Code of Conduct Policy at: <https://stech.edu/students/policies/>

Accommodations: Students with medical, psychological, learning, or other disabilities desiring accommodations or services under ADA, must contact the Student Services Office. Student Services determines eligibility for and authorizes the provision of these accommodations and services. Students must voluntarily disclose that they have a disability, request an accommodation, and provide documentation of their disability. Students with disabilities may apply for accommodations, based on an eligible disability, through the Student Services office located at 757 W. 800 S., Cedar City, UT 84720, and by phone at (435) 586-2899. No diagnostic services are currently available through Southwest Technical College.

Safety and Building Maintenance: The College has developed and follows a variety of plans to ensure the safe and effective operation of its facilities and programs. The following plans are available online: 1) Facilities Operations and Maintenance Plan; 2) Technical Infrastructure Plan; and 3) Health and Safety Plan.

Withdrawals and Refunds: Please refer to the Southwest Technical College Refund Policy at: <https://stech.edu/students/policies/>

Any high school or adult student, who declares a technical training objective is eligible for admission at Southwest Technical College (Southwest Tech). Program-specific admissions requirements may exist and will be listed on the Southwest Tech website. A high school diploma or equivalent is not required for admission but is mandatory for students seeking Title IV Federal Financial Aid.

Non-Discriminatory Policy: Southwest Technical College affirms its commitment to promote the goals of fairness and equity in all aspects of the educational enterprise, and bases its policies on the idea of global human dignity.

Southwest Tech is committed to a policy of nondiscrimination. No otherwise qualified person may be excluded from participation in or be subjected to discrimination in any course, program or activity because of race, age, color, religion, sex, pregnancy, national origin or disability. Southwest Technical College does not discriminate on the basis of sex in the education programs or activities that it operates, as required by Title IX and 34 CFR part 106. The requirement not to discriminate in education programs or activities extends to admission and employment. Inquiries about Title IX and its regulations to STECH may be referred to the Title IX Coordinator, to the Department of Education, and/or to the Office for Civil rights.

If you believe you have experienced discrimination or harassment on our campus, please contact the Title IX Coordinator, Cory Estes: cestes@stech.edu, (435) 865-3938.

For special accommodations, please contact the ADA Coordinator, Cyndie Tracy: ctracy@stech.edu, (435) 865-3944.

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