



## 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 SO  
Skill Drills: Chapter SO  
Student-Facilitated Scenario Handout: Lesson 72  
Scenario Role Cards: Lesson 72  
Recommended Resources  
Slides: Chapter SO  
Lecture Outline: Chapter SO  
Case Studies: Chapter SO  
Assessment in Action: Chapter SO  
Flashcards: Chapter SO  
Interactive Lecture: Chapter SO
- 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](#)

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## **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.*

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## **Canvas Information**

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

- Canvas URL: [stech.instructure.com](http://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.

<b>A :</b> 94 - 100%	<b>A-:</b> 90 - 93%	<b>B+:</b> 87 - 89%	<b>B :</b> 83 - 86%
<b>B-:</b> 80 - 82%	<b>C+:</b> 77 - 79%	<b>C :</b> 73 - 76%	<b>C-:</b> 70 - 72%
<b>D+:</b> 67 - 69%	<b>D :</b> 63 - 66%	<b>D-:</b> 60 - 62%	<b>F :</b> 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](mailto:cestes@stech.edu), (435) 865-3938.

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

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