SOUTHWEST TECH

SOUTHWEST TECHNICAL COLLEGE

EMSP 1511 - Advanced Skills Lab (3 Credits)

Course Description

Advanced Skills Lab equips the student with essential and advanced psychomotor skills of a paramedic. During this course, continued development of previous skills and techniques will be augmented with increasingly advanced skills for airway management, cardiac evaluation and management, medication administration, and essential skills for paramedic competency according to the National EMS Standards in managing traumatic and medical emergencies.

Course Objectives

- Continue to demonstrate proper scene and personal safety
- Safely administer medications using all routes with accurate dosing
- Demonstrate thorough understanding of all medications within scope of practice by applying appropriate indications/contraindications, pertinent assessments, and related interventions
- Correctly identify cardiac dysrhythmias, specifically using a 12 Lead ECG, and apply correct mitigation strategies including pertinent assessments, medications, defibrillation, cardioversion, pacing, and other designated interventions
- Manage increasingly complex trauma or medical scenarios as application of advanced comprehension of principles from EMSP 1501
- Correctly apply advanced healthcare techniques for medical and trauma patients including needle decompression, urinary catheterization, etc.
- Demonstrate effective team leadership and function as a integral part of an EMS team
- Complete accurate, timely, and comprehensive patient care documentation
- Continuously integrate concepts of thorough patient assessment, anatomy, physiology, BLS and previous program learning objectives
- Exhibit advancing preparedness to pass the NREMT Psychomotor Exam

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Course Outline

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

Assignments and 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 1 1: 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 Ext rication 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 Drill s: 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: Lessorn 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 t he Emergency Response Guidebook (ERG)
Section 3: Hazardous Materials Awareness
Firefighter Rehabilitation
Skill Evaluation Sheets: Chapter SO
Skill Drill s: 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

Subject to change. Please consult your Canvas course for the most current instructions and updates.

Classroom Hours

Start: 5-19-2025
End: 9-9-2025

Tuesday
2:00 PM - 6:00 PM

For a full list of course hours visit: Course Schedule

Instructor Contact Information

Nancy Small — nsmall@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 the where course content, grades, and communication will reside for this course.

- 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 & Weekends call (435) 865 - 3929 (Leave a message if no response).

Course Policies

As a paramedic student, it will be required to perform all the functions of a paramedic. Thus, this course will require bending, lifting, moving and physical exertion at times. Performing assessments and skills of the profession requires requires physical technique, cognitive knowledge, and ongoing practice If there are concerns about meeting these requirements, please speak with the instructor or Program Director. The following grading scale will be utilized for this course and throughout the program: A: 95-100% , A-: 90-94%, B+: 87-89%, B: 84-86%, B-: 80-83%, Below 80%: Fail. The grade for this course will based on attendance/participation, skills pass-offs, and affective behavior. A portion of the grade for this course will also come from the foundational work on and Evidence-Based Practice Project and Literature Review. There will be a final lab exam at the completion of the course to verify overall competency of the paramedic skill set. Attendance in class is essential to attain needed information and skill set. Thus, attendance is required. If an absence is unavoidable, please notify the Program Director so that necessary arrangements can be made. Two (2) absences will result in a verbal warning. Absences extending beyond two will require meeting with the Program and Medical Directors to discuss potential dismissal from the program. Be courteous to your other classmates and keep cell phone use to a minimum and take phone calls out in the hall. Phones are not permitted in the clinic at anytime. This course will involve scenario based learning primarily executed in the EMS lab, but also other various sites throughout the school to include the Nursing Simulation Lab, on the practice ambulance, and other sites as deemed appropriate for instruction.

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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