



## TEPA 1000 – Introduction to Paramedicine (1 Credit)

### Description

This course prepares the student to enter the paramedic program with the assurance that they have an essential basis in anatomy, physiology, English and math to be successful in the program.

### Course Objectives

- Execute clear, concise, and professional written communication.
- Accurately execute essential foundational math skills.
- Thoroughly explain general anatomy and physiology in relation to foundational concepts requisite to pursue paramedic education.
- Demonstrate foundational knowledge, preparation, and readiness to enter the paramedic program.

### Course Outline

- Anatomy
- Physiology
- English
- Math

## Assignments & Assessments

- Scenario Role Cards  
Student-Facilitated Scenario Handout  
Student-Facilitated Scenario Prep  
Instructor Resources  
Lesson Plan: Lesson 1  
Sort It Cards: Lesson 1  
Lecture Outline: Chapter 7  
Required Resources  
Lesson Guide: Lesson 1  
Chapter 7 Medical Terminology  
Watch the following video:  
Introduction to Anatomy & Physiology: A&P #1  
To Be Completed:  
Interactive Lecture: Chapter 7  
Lesson 1 Build It  
Lesson 1 Self Assessment  
Recommended Resources  
Slides: Chapter 7  
Case Studies: Chapter 7  
Assessment in Action: Chapter 7  
Flashcards: Chapter 7  
Lesson 1 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 23  
Lecture Outline: Chapter 11  
Required Resources  
Lesson Guide: Lesson 23  
Read the following:  
Patient Assessment: Why the Basics Matter  
Early Patient Assessment: The Cornerstone of Care  
How to Conduct the Patient Interview  
Read: Chapter 11 Patient Assessment, p. 581-587  
Recommended Resources  
To Be Completed:  
Lesson 23 Discussion  
Lesson 23 Self Assessment  
Lesson 23 In-Class Quiz  
Matt's Lesson 23 Patient Assessment.pptx  
Instructor Resources  
Lesson Plan: Lesson 24  
Lecture Outline: Chapter 11  
Required Resources  
Lesson Guide: Lesson 24  
Lesson 24 Discussion 1  
Read: Chapter 11 Patient Assessment, p. 588-593  
Student-Facilitated Scenario Handout: Lesson 24  
Scenario Role Cards: Lesson 24
- Lesson 24 Self Assessment  
Lesson 24 Discussion 2  
Recommended Resources  
Slides: Chapter 11, #7-20  
Virtual Ride-Along Video: Situational Awareness  
Safety Considerations for EMS Workers - CDC: Emergency Medical Services Workers  
Lesson 24 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 25  
Sort It Cards: Lesson 25  
Lecture Outline: Chapter 11  
Required Resources  
Lesson Guide: Lesson 25  
A Doctor's Touch Discussion  
Read: Chapter 11 Patient Assessment, p. 630-695  
The Paramedic General Physical Exam  
Interactive Lecture: Chapter 11  
Skill Evaluation Sheets: Chapter 11  
Skill Drills: Chapter 11  
Student-Facilitated Scenario Handout: Lesson 25  
Scenario Role Cards: Lesson 25  
Lesson 25 Self Assessment  
Recommended Resources  
Slides: Chapter 11, #21-42, 98-225  
Lesson 25 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 26  
Sort It Cards: Lesson 26  
Are You Listening? Handout: Lesson 26  
Challenge Scenario: Lesson 26  
Lecture Outline: Chapter 11  
Lecture Outline: Chapter 12  
Required Resources  
Lesson Guide: Lesson 26  
Read the following:  
Read: Chapter 11 Patient Assessment, p. 604-629  
Read: Chapter 12 Critical Thinking and Clinical Decision Making  
EMS Providers Use Differential Diagnoses in Patient Care  
Yes! EMTs Diagnose Patients  
Interactive Lecture: Chapter 12  
Lesson 26 Self Assessment  
Student-Facilitated Scenario Handout: Lesson 26  
Scenario Role Cards: Lesson 26  
Recommended Resources  
Slides: Chapter 11, #43-97

- Slides: Chapter 12  
Case Studies: Chapter 12  
Assessment in Action: Chapter 12  
Flashcards: Chapter 12  
Lesson 26 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 2  
Test Your Knowledge Handout: Lesson 2  
Graphic Organizer: Lesson 2  
Casino Cards: Lesson 2  
Lecture Outline: Chapter 8  
Required Resources  
Read: Chapter 8 Anatomy and Physiology, p. 271-282
- Watch the following videos:  
Chemical Reaction Introduction: Chemistry of Life - Biology (Kahn Academy)  
Proteins and Enzymes  
Lipids: Structure of Life - Structure of Fats (Triglycerides, Phospholipids, Prostaglandins)  
Introduction to pH: Biology Foundations - High School Biology (Kahn Academy)
- Visit and Explore:  
American Association of Chemistry Teachers: Chemistry Solutions
- To Be Completed:  
Lesson 2 Self Assessment  
Recommended Resources  
Slides: Chapter 8, #5-23  
Lesson 2 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 3  
Move It Role Cards: Lesson 3  
Casino Cards: Lesson 3  
Lecture Outline: Chapter 8  
Required Resources  
Lesson Guide: Lesson 3  
Read: Chapter 8 Anatomy and Physiology, p. 282-306
- Watch the following videos:  
Introduction to the Cells: The Grand Cell Tour  
Scale of Cells: Structure of a Cell - Biology  
Inside the Cell Membrane  
India Club: Membranes and Transport - Crash Course Biology  
Homeostasis and Negative/Positive Feedback  
Mitosis: The Amazing Cell Process That Uses Division to Multiply! (Updated)  
Read: More Than Half Your Body Is Not Human by BBC News
- Complete the following:  
Interactive Lecture: Chapter 8 (Part 1) A&P Intro, Chemical/Cellular/Tissue Organization  
Lesson 3 Build It Assignment  
Lesson 3 Self Assessment  
Recommended Resources  
Slides: Chapter 8, #24-68  
Lesson 3 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 4  
Draw It, Act It, Tell It Cards: Lesson 4  
Nervous System Trivia PowerPoint: Lesson 4  
Lecture Outline: Chapter 8  
Required Resources  
Lesson Guide: Lesson 4  
Read: Chapter 8 Anatomy and Physiology, p. 340-368
- Watch the following videos:  
Saltatory Conduction: Conduction Through Myelinated Nerve  
Fibre-Physiology  
Medical Animations  
Nervous System and Reflex Arc  
Anatomy- Cranial Nerves Overview  
Cranial Nerves Music Video
- Complete the following:  
Build It  
Lesson 4 Self-Assessment  
Recommended Resources  
Slides: Chapter 8,  
Lesson 4 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 5  
Sensory Changes During Aging Handout: Lesson 5  
Senses Worksheet: Lesson 5  
Lecture Outline: Chapter 8  
Required Resources  
Lesson Guide: Lesson 5  
Read: Chapter 8 Anatomy and Physiology, p. 368-376
- Watch the following videos:  
Vision: Crash Course A&P #18  
Hearing and Balance: Crash Course A&P #17  
Visual Illusions That Show How We (Mis)think  
Lesson 5 Self-Assessment  
Recommended Resources  
Slides: Chapter 8  
Lesson 5 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 6  
Lecture Outline: Chapter 8

## Required Resources

Lesson Guide: Lesson 6

Read: Chapter 8 Anatomy and Physiology, p. 445-451

Read: Chapter 9 Pathophysiology, p. 495-498

Watch the following videos:

Kidney Function and Anatomy

The Kidney and Nephron

Parts of a Nephron

Glomerular Filtration in the Nephron

Renin-Angiotensin-Aldosterone System

Renin Angiotensin Aldosterone System (RAAS): Short and Sweet !

Complete the following:

Review: Khan Academy's Tubular Reabsorption Article

Urinary System Diagram

Imbalance Illustration

Lesson 6 Self-Assessment

Recommended Resources

Slides: Chapter 8, # 309-321

Khan Academy Test Your Knowledge

Lesson 6 In-Class Quiz

Instructor Resources

Lesson Plan: Lesson 7

Lecture Outline: Chapter 8

Graphic Organizer: Lesson 7

Required Resources

Lesson Guide: Lesson 7

Read: Chapter 8 Anatomy and Physiology, p. 376-387

Watch the following videos:

Intro to the Endocrine System: 7Health and Medicine

Hormone Concentration Metabolism and Negative

Feedback

Complete the following:

Interactive Lecture: Chapter 8 (Part .3) Nervous and

Endocrine

Glandular High School Yearbook

Glandular High School Yearbook Sample Page: Lesson 7

Lesson 7 Self Assessment

Recommended Resources

Endocrine System by Amoeba Sisters

Slides: Chapter 8

Lesson 7 In-Class Quiz

Instructor Resources

Lesson Plan: Lesson 8

Lecture Outline: Chapter 8

Sort It Cards: Lesson 8

Required Resources

Lesson Guide: Lesson 8

Read: Chapter 8 Anatomy and Physiology, p. 401-411

Watch the following videos:

Arteries, Arterioles, Venules, and Veins: Health and Medicine

Layers of a Blood Vessel: Circulatory System Physiology

The Life and Times of RBCs and Platelets

Blood Types: Human and Anatomy and Physiology

Coagulation Cascade: Human Anatomy and Physiology

Complete the following:

Get Body Smart

Lesson 8 Self Assessment

Recommended Resources

Slides: Chapter 8

Lesson 8 In-Class Quiz

Instructor Resources

Lesson Plan: Lesson 9

Anatomy Labeling Challenge Handout: Lesson 9

Lecture Outline: Chapter 8

Required Resources

Lesson Guide: Lesson 9

Read: Chapter 8 Anatomy and Physiology, p. 393-401

Watch the following videos:

Meet the Heart! Circulatory System Physiology

Lub Dub: Circulatory System Physiology

Layers of the Heart: Circulatory System Physiology

Complete the following:

Interactive Lecture: Chapter 8 (Part 4) Circulatory & Lymphatic

CDC Heart Disease and Stroke Map

Cardiac Action Potential Video Questions

BioDigital Website Activity

LVAD Assignment

Lesson 9 Self Assessment

Recommended Resources

Slides: Chapter 8

Lesson 9 In-Class Quiz

Instructor Resources

Lesson Plan: Lesson 10

Lecture Outline: Chapter 8

Required Resources

Lesson Guide: Lesson 10

Read: Chapter 8 Anatomy and Physiology, p. 434-445

Watch the following videos:

Metabolism and Nutrition, Part 1: Crash Course A&P #36 13

Metabolism and Nutrition, Part 2: Crash Course A&P #37 13

The Digestive System, Part 1: Crash Course A&P #33 B,

The Digestive System: Part 2: Crash Course A&P #34 B,

The Digestive System, Part 3: Crash Course A&P #35 B,

Complete the following:	Slides: Chapter 8 #70-138
Interactive Lecture: Chapter 8 (Part ,6) Digestive, Urinary, Reproductive	Lesson 12 In-Class Quiz
Lesson 10 Self Assessment	Instructor Resources
Recommended Resources	Lesson Plan: Lesson 13
Slides: Chapter 8	Sort It Cards: Lesson 13
Bozeman Science Video: The Digestive System B,	Lecture Outline: Chapter 8
Lesson 10 In-Class Quiz	Required Resources
Instructor Resources	Lesson Guide: Lesson 13
Lesson Plan: Lesson 11	Read: Chapter 8 Anatomy and Physiology, p. 413-434
Lecture Outline: Chapter 8	Watch the following videos:
Lecture Outline: Chapter 9	Respiratory System Physiology - Ventilation and Perfusion (V:Q Ratio) Physiology 13
Required Resources	Lung function - Lung Volumes and Capacities 13
Lesson Guide: Lesson 11	Oxygen: Haemoglobin Dissociation Curve - Physiology 13
Read: Chapter 8 Anatomy and Physiology, p. 411-413	Ventilator vs, ECMO 13
Read: Chapter 9 Pathophysiology, p. 510-523	How Does Asthma Work? Christopher E Gaw 13
Watch the following videos:	Complete the following:
The Sci Guys: Science at Home - The Naked Egg and Osmosis 13	Interactive Lecture: Chapter 8 (Part 5) Respiratory System Build It - Lesson 13
Immune System Physiology videos from the Khan Academy 13	Lesson 13 Self Assessment
Complete the following:	Recommended Resources
Lesson 11 Self Assessment	Slides: Chapter 8, #251-282
Recommended Resources	Lesson 13 In-Class Quiz
Slides: Chapter 8	Chapter 8 Matt's Version Part 1.pptx
Slides: Chapter 9 #54-88	Chapter 8 Matt's Version Part 2.pptx
Lesson 11 In-Class Quiz	Instructor Resources
Instructor Resources	Lesson Plan: Lesson 14
Lesson Plan: Lesson 12	Age Group Matching Game Cards: Lesson 14
Graphic Organizer: Lesson 12	Terminology Guessing Game Cards: Lesson 14
Casino Cards: Lesson 12	Lecture Outline: Chapter 10
Lecture Outline: Chapter 8	Required Resources
Required Resources	Lesson Guide: Lesson 14
Lesson Guide: Lesson 12	Read: Chapter 10 Life Span Development, p. 555-578
Read: Chapter 8 Anatomy and Physiology, p. 308-340	Watch the following video:
Watch the following videos:	The Growth of Knowledge: Crash Course Psychology #18 13
Skeletal System and Bone Anatomy Physiology B,	Complete the following:
The Skeletal System: Crash Course A&P #19 B,	Interactive Lecture: Chapter 10
Joints: Crash Course A&P #20 B>	Lesson 14 Self Assessment
Long Bones, Short Bones, Flat Bones, Irregular Bones, Sesamoid Bones B,	Recommended Resources
Muscles, Part 1: Muscle Cells - Crash Course A&P #21 B,	The Living Body - Our Extraordinary Life B,
Complete the following:	Slides: Chapter 10
Interactive Lecture: Chapter 8 (Part .2) Organ Systems, Integumentary, Musculoskeletal	Case Studies: Chapter 10
Build It - Lesson 12 (Optional)	Assessment in Action: Chapter 10
Lesson 12 Self Assessment	Flashcards: Chapter 10
Recommended Resources	Lesson 14 In-Class Quiz
	Instructor Resources
	Lesson Plan: Lesson 15

- Paramedic Responsibilities Concept Mapping Handout:  
Lesson 15  
Lecture Outline: Chapter 1  
Required Resources  
Lesson Guide: Lesson 15  
Read: Chapter 1 EMS Systems, p. 4-30  
Watch the following videos:  
History of EMS B,  
EMS and Resuscitation History Es,  
Websit e: SO Years of Modern EMS B  
JEMS article: American EMS: 2027  
Complete the following:  
Interactive Lecture: Chapter 1  
Lesson 15 Self Assessment  
Recommended Resources  
EMS Systems Presentation  
Slides: Chapter 1  
Case Studies: Chapter 1  
Assessment in Action: Chapter 1  
Flashcards: Chapter 1  
Lesson 15 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 16  
Challenge Scenario: Lesson 16  
Scenario Role Cards: Lesson 16  
Student-Facilitated Scenario Handout: Lesson 16  
Required Resources  
Lesson Guide: Lesson 16  
Before t he Reading  
John Nance Near-Miss Story B,  
The Importance and Value of the Checklist 13  
Towards a Just Culture in Healthcare 13  
Following the reading  
Strategy for a National EMS Culture of Safety, EMS.gov  
(with  
special focus on pages 8-13) 13 ~~  
NAEMT Position Statement: Just Culture in EMS 13  
Complete the following:  
First-Out Bag Checklist  
Lesson 16 Articles Discussion  
Lesson 16 Quiz  
Instructor Resources  
Lesson Plan: Lesson 17  
Student-Facilitated Scenario Handout: Lesson 17  
Scenario Role Cards: Lesson 17  
Lecture Outline: Chapter 2  
Required Resources  
Lesson Guide: Lesson 17  
Before the Reading
- Lesson 17 Make Peace Discussion  
Lesson 17 Stress Management Discussion  
Lesson 17 Never Let Your Guard Down Discussion  
Read: Chapter 2 Workforce Safety and Wellness  
Patient Lifting Techniques PowerPoint: Lesson 17  
Skill Evaluation Sheets: Chapter 2  
Skill Drills: Chapter 2  
Complete the following:  
Interactive Lecture: Chapter 2  
Lesson 17 Brochure Prep Assignment  
Lesson 17 Quiz  
Recommended Resources  
Khan Academy Infection Diseases Video B  
NAEMT: EMS Safety B,  
Master Your Mindset podcasts B,  
Safe Call Now website 13  
Slides: Chapter 2  
Case Studies: Chapter 2  
Assessment in Action: Chapter 2  
Flashcards: Chapter 2  
Instructor Resources  
Lesson Plan: Lesson 18  
Injury Prevention Handout: Lesson 18  
Public Health Surveillance Handout: Lesson 18  
Student -Facilitated Scenario Handout: Lesson 18  
Scenario Role Cards: Lesson 18  
Lecture Outline: Chapter 3  
Required Resources  
Lesson Guide: Lesson 18  
Before the Reading  
What Is Public Health? 13  
Read: Chapter 3 Public Health  
Complete the following:  
Upstreamist s Discussion  
Interactive Lecture: Chapter 3  
Lesson 18 Self Assessment  
Recommended Resources  
Slides: Chapter 3  
Case Studies: Chapter 3  
Assessment in Action: Chapter 3  
Flashcards: Chapter 3  
Lesson 18 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 19  
Sort It Cards: Lesson 19  
Medical, Legal, and Et hical Issues Tri. via PowerPoint:  
Lesson 19  
Student -Facilitated Scenario Handout: Lesson 19  
Scenario Role Cards: Lesson 19

- Lecture Outline: Chapter 4  
Required Resources  
Lesson Guide: Lesson 19  
Read: Chapter 4 Medical, Legal, and Ethical Issues  
Complete the following:  
Interactive Lecture: Chapter 4  
Lesson 19 Scope of Practice Discussion  
Lesson 19 Videos Discussion  
Lesson 19 Self-Assessment  
Recommended Resources  
Slides: Chapter 4  
Case Studies:: Chapter 4  
Assessment in Action: Chapter 4  
Flashcards: Chapter 4  
Lesson 19 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 20  
Lecture Outline: Chapter 1  
Journal Club Handout: Lesson 20  
Required Resources  
Lesson Guide: Lesson 20  
Complete 1st: Fisdap Research 101 Assignment  
Read: Chapter 1 EMS Systems, p. 30-37  
Student-Facilitated Scenario Handout: Lesson 20  
Scenario Role Cards: Lesson 20  
Recommended Resources  
Slides: Chapter 1  
Montgomery County Hospital District (MCHD) Paramedic Podcast, Episode 44: Medical  
Literatrure 101 With Dr. Tony Seupaul 13  
EMS World: A Guide to Statistical Significance in EMS Research 13 ~~  
EMS World: How to Search the Scientific Literature 13 ~ I  
EMS World: Not all Evidence is Created Equal 13 ~ I  
Lesson 20 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 21  
Listen and Draw Cards: Lesson 21  
Lecture Outline: Chapter 5  
Required Resources  
Lesson Guide: Lesson 21  
Read: Chapter 5 Communications  
Student -Facilitated Scenario Handout: Lesson 21  
Scenario Role Cards: Lesson 21  
Watch the following videos:  
Cultures, Subcultures, and Countercultures: Crash Course Sociology #11 13  
Health Literacy and Cultural Competency 13  
Complete the following:
- Interactive Lecture: Chapter 5  
Radio Ramblings Discussion  
Lesson 21 Self-Assessment  
Recommended Resources  
Slides: Chapter 5  
Case Studies:: Chapter 5  
Assessment in Action: Chapter 5  
Flashcards: Chapter 5  
Instructor Resources  
Lesson Plan: Lesson 22  
Sort It Cards: Lesson 22  
Lecture Outline: Chapter 6  
Required Resources  
Lesson Guide: Lesson 22  
Watch before reading: NTHSA's Office of EMS: EMS Data Use  
Video 13  
Complete the handout: Data Search Handout: Lesson 22  
Read: Chapter 6 Documentation  
Complete the following:  
Complete & bring to class April 7th: Narrative Exercise Handout: Lesson 22  
Interactive Lecture: Chapter 6  
Lesson 22 NEMSIS Best Practices Assignment  
Lesson 22 Self Assessment  
Recommended Resources  
Slides: Chapter 6  
Case Studies:: Chapter 6  
Assessment in Action: Chapter 6  
Flashcards: Chapter 6  
Instructor Resources  
Lesson Plan: Lesson 27  
Challenge Scenario 1: Lesson 27  
Challenge Scenario 2: Lesson 27  
Airway Emergencies Trivia PowerPoint: Lesson 27  
Lecture Outline: Chapter 16  
Required Resources  
Lesson Guide: Lesson 27  
Chapter 16 Airway Management  
Watch the following videos:  
Basics of Airway Management (3.  
Pre-intubation Airway Management 13  
AEMT 199 Paramedic - Advanced Skills: Ventilatory Management Adult 13  
AEMT 199 Paramedic - Advanced Skills: Suprglottic Airway Device 13  
Nasal Intubation 13  
Review t he following:  
Skill Dr ills: Chapter 16

- Skill Evaluation Sheets: Chapter 16  
Complete the following:  
Interactive Lecture: Chapter 16  
Lesson 27 Self Assessment  
Student-Facilitated Scenario Handout: Lesson 27  
Scenario Role Cards: Lesson 27  
Recommended Resources  
Slides: Chapter 16  
Case Studies:: Chapter 16  
Assessment in Action: Chapter 16  
Flashcards: Chapter 16  
Basic Nasal Fiber-Optic Intubation 13  
Matt's Airway Quiz #1  
Instructor Resources  
Lesson Plan: Lesson 28  
Sort It Cards: Lesson 28  
Challenge Scenario 1: Lesson 28  
Challenge Scenario 2: Lesson 28  
Required Resources  
Lesson Guide: Lesson 28  
Read: Chapter 17 Respiratory Emergencies  
Watch the following videos:  
Introduction to the Respiratory System 13  
Gas Exchange and Transport 13  
Respiritory System - Overview 13  
Oxyge111-Haemoglobin Dissociation Curve-Physiology 13  
Complete the following:  
Easy Auscultation - Lung Sounds and Guided Note-Taking Assignment  
Guided Note-Taking Handout: Lesson 28  
Lesson 28 Lung Sounds Organizer Assignment  
Lun:g Sounds Graphic Organizer: Lesson 28  
Lesson 28: Teach Back Assignment  
Student-Facilitated Scenario Handout: Lesson 28  
Scenario Role Cards: Lesson 28  
Recommended Resources  
Slides: Chapter 17  
Lecture Outline: Chapter 17  
Case Studies:: Chapter 17  
Flashcards: Chapter 17  
Matt's Quiz Round 2  
Instructor Resources  
Lesson Plan: Lesson 29  
Disease Cards: Lesson 29  
Challenge Scenario: Lesson 29  
Lecture Outline: Chapter 17  
Required Resources  
Lesson Guide: Lesson 29  
Review: Chapter 17 Respiratory Emergencies
- Watch the following videos:  
Virtual Ride-Along Video: COPD  
Virtual Ride-Along Video: Respiratory Distress  
Virtual Ride-Along Video: Difficulty Breathing  
Lesson 29 - Activity 1: Flashcards  
Lesson 29 - Activity 2: Drug Cards  
Respiratory Drug Cards: Lesson 29  
Lesson 29 - Activity 3: Scenarios  
Capnography Scenarios Handout: Lesson 29  
Interactive Lecture: Chapter 17  
Lesson 28 and 29 Self Assessment  
Scenario Role Cards: Lesson 29  
Recommended Resources  
Look up and view the Youtube videos from Ninja Nerd Science regarding the respiratory system  
Slides: Chapter 17  
Case Studies:: Chapter 17  
Assessment in Action: Chapter 17  
Lesson 28 and 29 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 43  
Respiratory Drug Cards: Lesson 43  
Think, Find, Ask Handout: Lesson 43  
Challenge Scenario: Lesson 43  
Required Resources  
Lesson Guide: Lesson 43  
Read pages 767-768 of Chapter 13  
Chapter 13 Principles of Pharmacology  
View the following videos:  
Respiratory Drugs: Memorization Tips for Nursing Students  
Metered-Dose Inhaler (MDI) Demonstration Without Spacer  
Nursing  
Metered-Dose Inhaler (MDI) Demonstration With Spacer  
Nursing  
EMT Nebulized Albuterol  
Nebulized Drug Administration  
Respiratory Drug Sheets: Lesson 43  
Graphic Organizer: Lesson 43  
Filing Cabinet Instructions: Lesson 43  
Respiratory Drugs Filing Cabinet !Handout: Lesson 43  
Respiratory Drugs Answer Key: Lesson 43  
Respiratory Drugs Flashcards: Lesson 43  
Scenario Role Cards: Lesson 43  
Recommended Resources  
Slides: Chapter 13  
Lecture Outline: Chapter 13

**Student -Facilitated Scenario Handout: Lesson 43**

Instructor Resources

Lesson Plan: Lesson 41

Bingo Cards: Lesson 41

Draw It, Act It, Tell It Cards: Lesson 41

Think, Find, Ask Handout: Lesson 41

Required Resources

Lesson Guide: Lesson 41

Introduction to the Pharmacology Unit PowerPoint

Lesson

41

Read: Chapter 13 Principles of Pharmacology, p. 725-761

View the following videos:

Pharmacology: Pharmacokinetics (Made Easy)

Pharmacology: Pharmacodynamics (Made Easy)

Recommended Resources

Slides: Chapter 13

Lecture Outline: Chapter 13

Lesson 41 Self Assessment

Lesson 41 In-Class Quiz

Test Prep

1st Term Summative Exam

End Of Course Survey

Virtual Ride-Alongs

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: Mass-Casualty Incident Drill

Virtual Ride-Along Video: Motorcycle Crash

Virtual Ride-Along Video: Pediatric Trauma

Virtual Ride-Along Video: Psychiatric Emergency

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: Intravenous 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

Soft-Skill Simulations

First Responder Support & Resilience, First Edition

Interactive Lectures

Interactive Lecture: Chapter 8 (Part 1) A&P Intro, Chemical/Cellular/Tissue Organization

Interactive Lecture: Chapter 8 (Part .2) Organ Systems, Integumentary, Musculoskeletal

Interactive Lecture: Chapter 8 (Part .3) Nervous and Endocrine

Interactive Lecture: Chapter 8 (Part 4) Circulatory & Lymphatic

Interactive Lecture: Chapter 8 (Part 5) Respiratory System

Interactive Lecture: Chapter 8 (Part 6) Digestive, Urinary, Reproductive

Case Studies

Case Study Slides: Chapter 8

Case Study Slides: Chapter 9

Case Study Slides: Chapter 11

Case Study Slides: Chapter 13

Case Study Slides: Chapter 18

Assessment in Action

Assessment in Action: Chapter 8

Assessment in Action: Chapter 9

Assessment in Action: Chapter 11

Assessment in Action: Chapter 13

Assessment in Action: Chapter 18

Flashcard'

s

Flashcards: Chapter 8

Flashcards: Chapter 9

Flashcards: Chapter 11

Flashcards: Chapter 13  
Flashcards: Chapter 18  
Learning Objectives  
Learning Objectives: Chapter 1  
Learning Objectives: Chapter 2  
Learning Objectives: Chapter 3  
Learning Objectives: Chapter 4  
Learning Objectives: Chapter 5  
Learning Objectives: Chapter 6  
Learning Objectives: Chapter 7  
Learning Objectives: Chapter 8  
Learning Objectives: Chapter 9  
Learning Objectives: Chapter 10  
Learning Objectives: Chapter 11  
Learning Objectives: Chapter 12  
Learning Objectives: Chapter 13  
Learning Objectives: Chapter 14  
Learning Objectives: Chapter 15  
Learning Objectives: Chapter 16  
Learning Objectives: Chapter 17  
Learning Objectives: Chapter 18  
Learning Objectives: Chapter 19  
Learning Objectives: Chapter 20  
Learning Objectives: Chapter 21  
Learning Objectives: Chapter 22  
Learning Objectives: Chapter 23  
Learning Objectives: Chapter 24  
Learning Objectives: Chapter 25  
Learning Objectives: Chapter 26  
Learning Objectives: Chapter 27  
Learning Objectives: Chapter 28  
Learning Objectives: Chapter 29  
Learning Objectives: Chapter 30  
Learning Objectives: Chapter 31  
Learning Objectives: Chapter 32  
Learning Objectives: Chapter 33  
Learning Objectives: Chapter 34  
Learning Objectives: Chapter 35  
Learning Objectives: Chapter 36  
Learning Objectives: Chapter 37  
Learning Objectives: Chapter 38  
Learning Objectives: Chapter 39  
Learning Objectives: Chapter 40  
Learning Objectives: Chapter 41  
Learning Objectives: Chapter 42  
Learning Objectives: Chapter 43  
Learning Objectives: Chapter 44  
Learning Objectives: Chapter 45  
Learning Objectives: Chapter 46

Learning Objectives: Chapter 47  
Learning Objectives: Chapter 48  
Learning Objectives: Chapter 49  
Learning Objectives: Chapter 50  
Learning Objectives: Chapter 51  
Learning Objectives: Chapter 52  
Learning Objectives: Chapter 53  
Audio Book  
Audio Book: Chapter 1  
Audio Book: Chapter 2  
Audio Book: Chapter 3  
Audio Book: Chapter 4  
Audio Book: Chapter 5  
Audio Book: Chapter 6  
Audio Book: Chapter 7  
Audio Book: Chapter 8  
Audio Book: Chapter 9  
Audio Book: Chapter 10  
Audio Book: Chapter 11  
Audio Book: Chapter 12  
Audio Book: Chapter 13  
Audio Book: Chapter 14  
Audio Book: Chapter 15  
Audio Book: Chapter 16  
Audio Book: Chapter 17  
Audio Book: Chapter 18  
Audio Book: Chapter 19  
Audio Book: Chapter 20  
Audio Book: Chapter 21  
Audio Book: Chapter 22  
Audio Book: Chapter 23  
Audio Book: Chapter 24  
Audio Book: Chapter 25  
Audio Book: Chapter 26  
Audio Book: Chapter 27  
Audio Book: Chapter 28  
Audio Book: Chapter 29  
Audio Book: Chapter 30  
Audio Book: Chapter 31  
Audio Book: Chapter 32  
Audio Book: Chapter 33  
Audio Book: Chapter 34  
Audio Book: Chapter 35  
Audio Book: Chapter 36  
Audio Book: Chapter 37  
Audio Book: Chapter 38  
Audio Book: Chapter 39  
Audio Book: Chapter 40  
Audio Book: Chapter 41

[Audio Book: Chapter 42](#)

[Audio Book: Chapter 43](#)

[Audio Book: Chapter 44](#)

[Audio Book: Chapter 45](#)

[Audio Book: Chapter 46](#)

[Audio Book: Chapter 47](#)

[Audio Book: Chapter 48](#)

[Audio Book: Chapter 49](#)

[Audio Book: Chapter 51](#)

[Audio Book: Chapter 52](#)

[Audio Book: Chapter 53](#)

---

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

## Classroom Hours

Start: 12-15-2025

End: 12-18-2025

Mo, Tu, W, Th

9:00 AM - 1:00 PM

1:30 PM - 5:00 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](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)
- 

## 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.

Southwest Technical College  
757 West 800 South  
Cedar City, UT 84720  
[info@stech.edu](mailto:info@stech.edu)  
(435) 586-2899