

## EMSP 1501 - Advanced Emergency Care (6 Credits)

### Course Description

Advanced Emergency Care prepares the student with the remaining cognitive skill set to be a functional, entry-level paramedic. Instruction will include advancement of assessment and care techniques for special situations and populations, cardiology, and a wide scope of medical and trauma conditions. Students will be taught pharmacology specific to the role of paramedic and the conditions, protocols, and methods of use.

---

### Course Objectives

- Diagnose injuries and illnesses accurately in pediatric, adult, and geriatric patients under the supervision of an approved preceptor.
  - Treat injuries and illnesses safely using the entire spectrum of paramedic protocols under the supervision of an approved preceptor.
  - Compare the management of normal deliveries versus high-risk pregnancy and related gynecological emergencies.
  - Evaluate the pathophysiology, management, and resuscitation of infants, including neonates and newborns.
  - Demonstrate a patient assessment of an obstetric patient and organize findings for assessment-based management of a normal and abnormal.
  - Diagram the Incident Command Structure (ICS) and explain concepts of interdisciplinary roles in various EMS incidents.
  - Integrate awareness and management of Hazardous Materials incidents, bioterrorism, WMD, and mass casualty incidents.
  - Outline care which may include out-of-classroom education in high angle rescue, swift water rescue, paramedic course, aeromedicine, and ongoing field assessment.
- 

### Course Outline

- Trauma
- Pharmacology
- Cardiology
- Medical Emergencies
- Special Patient Populations

## Assignments and Assessments

### Instructor Resources

Lesson Plan: Lesson 49

Lecture Outline: Chapter 18

Role Play Handout: Lesson 49

Challenge Scenario 1: Lesson 49

Challenge Scenario 2: Lesson 49

Scenario Role Cards: Lesson 49

### Required Resources

Lesson Guide: Lesson 49

Chapter 18 Cardiovascular Emergencies: Introduction through Patient Assessment, pages 1159-1168; • Pathophysiology, Assessment, and Management of Specific

Cardiovascular Conditions, pages 1249-1282

Watch the Following Videos:

Heart Attack in 30 Animation

The Cardiovascular Physical Assessment/Examination

Lesson 49 Handout Assignments

Coronary Artery Occlusion Diagram: Lesson 49

Heart Failure Diagram: Lesson 49

Differential Mind Maps: Lesson 49

### Recommended Resources

Slides: Chapter 18 (Slides 2-37 and 223-338)

Review: • Lesson 8: The Cardiovascular System, Part 1 •

Lesson 9: The

Cardiovascular System, Part 2

Heart Attack (Myocardial Infarction) Pathophysiology

What is Heart Failure?

Pulmonary Embolism Part 1 (Overview)

Student -Facilitated Scenario Handout: Lesson 49

Interactive Lecture: Chapter 18

Lesson 49 Quiz

ACS MEDS.pptx

### Instructor Resources

Lesson Plan: Lesson 44

Think, Find, Ask Handout: Lesson 44

Challenge Scenario: Lesson 44

Lecture Outline: Chapter 13 (Section VIII, Parts C & D)

### Required Resources

Lesson Guide: Lesson 44

Chapter 13 Principles of Pharmacology: pg 768-776

View the following videos:

Pharmacology: Antiarrhythmic Drugs (Made Easy)

Pharmacology: Hypertension and Anti hypertensives (Made Easy)

Antiarrhythmics: Circulatory System and Disease

Lesson 44 Cardiac Drug Sheets

Cardiac Drug Sheets: Lesson 44

Graphic Organizer: Lesson 44

Lesson 44 Cardiac Drug Filing Cabinet

Filing Cabinet Instructions: Lesson 44

Antiarrhythmics Filing Cabinet Handout: Lesson 44

Antiarrhythmics Answer Key: Lesson 44

Antihypertensives Filing Cabinet Handout: Lesson 44

Antihypertensives Answer Key: Lesson 44

Lesson 44 Cardiac Drug Flash Cards

Cardiac Drugs Flashcards: Lesson 44

Lesson 44: Create Your Own Memory Aid

Scenario Role Cards: Lesson 44

Student-Facilitated Scenario Handout: Lesson 44

Lesson 44 Self Assessment

### Recommended Resources

Slides: Chapter 13, 116-144

Lesson 44 In-Class Quiz

### Instructor Resources

Lesson Plan: Lesson 46

Think, Find, Ask Handout: Lesson 46

Challenge Scenario: Lesson 46

Lecture Outline: Chapter 13 (Section VIII, Parts E7-10)

### Required Resources

Lesson Guide: Lesson 46

Chapter 13 Principles of Pharmacology, pg 779-781

(Tranexamic Acid through

Fibrinolytics)

Chapter 42 Obstetrics

Watch the following videos:

Coagulation Cascade: Human Anatomy and Physiology

Estrogen: Reproductive System Physiology

Heart Attack (Myocardial Infarction) Medications

Pharmacology: Anticoagulants and Anti platelet Drugs (Made Easy)

Review the Following:

AHA Guidelines for ACS Management

Lesson 46 ACS & OB Drug Sheets

ACS & OB Drug Sheets: Lesson 46

Graphic Organizer: Lesson 46

Lesson 46 ACS Filing Cabinet

Filing Cabinet Instructions: Lesson 46

ACS Drugs Filing Cabinet Handout: Lesson 46

ACS Drugs Answer Key: Lesson 46

OB Drugs Filing Cabinet Handout: Lesson 46

OB Drugs Answer Key: Lesson 46

Lesson 46 ACS Drug Flash Cards

ACS and OB Drugs Flashcards: Lesson 46

Lesson 46: Make Your Own Memory Aid (ACS Drugs)

Lesson 46 Self Assessment , V1

Scenario Role Cards: Lesson 46

### Recommended Resources

Slides: Chapter 13, #155-159

Slides: Chapter 42

Student -Facilitated Scenario Handout: Lesson 46

Lesson 46 In-Class Quiz

### Instructor Resources

Lesson Plan: Lesson 50

Casino Cards: Lesson 50

Sort It Cards: Action Potential: Lesson 50

Sort It Cards: Contiguous Leads: Lesson SO  
 Sort It Cards: ECG Components: Lesson SO  
 Sort It Cards: Heart Rates: Lesson SO  
 Ion Tango Role Cards: Lesson SO  
 Challenge Scenario: Lesson SO  
 Required Resources  
 Lesson Guide: Lesson SO  
 Chapter 18 Cardiovascular Emergencies: pgs. 1168-1190  
 Watch the Following Videos  
 Electrical System of the Heart  
 Action Potentials in Pacemaker Cells: Circulatory System Physiology  
 Autonomic Nervous System Effects on the Heart  
 Review the following:  
 Skill Drills: Chapter 18  
 Skill Evaluation Sheets: Chapter 18  
 Lecture Outline: Chapter 18  
 Lesson SO Build It Assignment  
 Recommended Resources  
 Slides: Chapter 18, #38-88  
 Scenario Role Cards: Lesson SO  
 Student-Facilitated Scenario Handout: Lesson SO  
 Instructor Resources  
 Lesson Plan: Lesson 51  
 Sort It Cards: ECG Rhythms: Lesson 51  
 Sort It Cards: Dysrhythmia Treatment : Lesson 51  
 Challenge Scenario: Lesson 51  
 Lecture Outline: Chapter 18, Section IV, Parts J-P  
 Required Resources  
 Lesson Guide: Lesson 51  
 Chapter 18 Cardiovascular Emergencies: pgs 1190-1232  
 (Cardiac Dysrhythmias through  
 Artificial Pacemaker Rhythms)  
 Watch the following video:  
 Electrocardioversion: Circulatory System and Disease  
 Lesson 51 Assignments  
 Graphic Organizer: Cardiac Rhythms: Lesson 51  
 Graphic Organizer: Hs and Ts: Lesson 51  
 Skill Evaluation Sheets: Chapter 18  
 Skill Drills: Chapter 18  
 Lesson 51 Self Assessment  
 Recommended Resources  
 Slides: Chapter 18, # 89-183  
 Student-Facilitated Scenario Handout: Lesson 51  
 Scenario Role Cards: Lesson 51  
 Lesson 51 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 52  
 Sort It Cards: Lesson 52  
 12-Lead ECG Interpretation PowerPoint: Lesson 52  
 Challenge Scenario 1: Lesson 52  
 Challenge Scenario 2: Lesson 52  
 Lecture Outline: Chapter 18, Section V  
 Required Resources

Lesson Guide: Lesson 52  
 Chapter 18 Cardiovascular Emergencies, pgs. 1232-1249  
 Watch the following videos:  
 Introduction to 12-Lead ECG Interpretation  
 Ischemia, Infarction, and the Waveforms Q through U, Part 1  
 Ischemia, Infarction, and the Waveforms Q through U, Part 2  
 Lesson 52 Assignments  
 Graphic Organizer: Axis Changes : Lesson 52  
 Graphic Organizer: Leads and Reciprocal Changes: Lesson 52  
 Skill Evaluation Sheets: Chapter 18  
 Skill Drills: Chapter 18  
 Lesson 52 Self Assessment  
 Recommended Resources  
 Slides: Chapter 18, #184-223  
 Student-Facilitated Scenario Handout: Lesson 52  
 Scenario Role Cards: Lesson 52  
 Lesson 52 In-Class Quiz  
 Interactive Lecture: Chapter 18  
 Instructor Resources  
 Lesson Plan: Lesson 53  
 Justify the Intervention Handout: Lesson 53  
 Hs and Ts Challenge Handout: Lesson 53  
 ACLS Challenge Handout: Lesson 53  
 ACLS Challenge Cards: Lesson 53  
 Challenge Scenario 1: Lesson 53  
 Challenge Scenario 2: Lesson 53  
 Lecture Outline: Chapter 40  
 Lecture Outline: Chapter 41  
 Required Resources  
 Lesson Guide: Lesson 53  
 Chapter 40 Responding to the Field Code  
 Chapter 41 Management and Resuscitation of the Critical Patient  
 Virtual Ride-Along Video: Cardiac Arrest  
 Review: ACLS 2021 Algorithm  
 Skill Drills: Chapter 40  
 Skill Evaluation Sheets: Chapter 40  
 Student-Facilitated Scenario Handout: Lesson 53  
 Scenario Role Cards: Lesson 53  
 Interactive Lecture: Chapter 40  
 Interactive Lecture: Chapter 41  
 AHA ACLS PreCourse Work  
 Lesson 53 Self Assessment  
 Recommended Resources  
 Slides: Chapter 40  
 Slides: Chapter 41  
 Case Studies: Chapter 40  
 Case Studies: Chapter 41  
 Assessment in Action: Chapter 40  
 Assessment in Action: Chapter 41  
 Flashcards: Chapter 40  
 Flashcards: Chapter 41  
 Lesson 53 In-Class Quiz

Cardiology Fisdap Prep Quiz  
Instructor Resources  
Lesson Plan: Lesson 43  
Respiratory Drug Cards: Lesson 43  
Think, Find, Ask Handout: Lesson 43  
Challenge Scenario: Lesson 43  
Lecture Outline: Chapter 13, Section VIII, Part B  
Required Resources  
Lesson Guide: Lesson 43  
Chapter 13 Principles of Pharmacology, pg 767-768  
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  
Lesson 43 Respiratory Drug Sheets  
Respiratory Drug Sheets: Lesson 43  
Graphic Organizer: Lesson 43  
Lesson 43 Respiratory Drug Filing Cabinet  
Filing Cabinet Instructions: Lesson 43  
Respiratory Drugs Filing Cabinet Handout: Lesson 43  
Respiratory Drugs Answer Key: Lesson 43  
Lesson 43 Respiratory Drug Flash Cards  
Respiratory Drugs Flashcards: Lesson 43  
Lesson 43: Make Your Own Memory Aid  
Lesson 43 Self Assessment  
Recommended Resources  
Slides: Chapter 13, #111-115  
Student-Facilitated Scenario Handout: Lesson 43  
Scenario Role Cards: Lesson 43  
Lesson 43 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 54  
Draw It, Act It, Tell It Cards: Lesson 54  
Name That Respiratory Pattern Handout : Lesson 55  
Challenge Scenario 1: Lesson 54  
Challenge Scenario 2: Lesson 54  
Lecture Outline: Chapter 19  
Required Resources  
Lesson Guide: Lesson 54  
Chapter 19 Neurologic Emergencies  
View the following videos:  
Glasgow Coma Scale at 40  
A Guide to Seizure Management for Emergency Medical Responders  
What Happens During a Seizure? (watch from 2:40 to 5:40)  
Virtual Ride-Along Video: Seizure  
Student-Facilitated Scenario Handout; Lesson 54  
Scenario Role Cards: Lesson 54  
Recommended Resources  
Slides: Chapter 19

Case Studies: Chapter 19  
Assessment in Action: Chapter 19  
Flashcards: Chapter 19  
Consider reviewing: Primary Assessment (Table 11-3, p. 601), History  
Taking, Neurologic (p. 628), Secondary Assessment, Nervous System (pp. 681-687)  
Consider reviewing the Nervous System portion of Chapter 8, pp. 340-376, paying special attention to anatomy and functions of the brain, spinal cord, and cranial vault.  
Consider watching the following videos:  
The Functions of the Cranial Nerves  
One Minute Cranial Nerve Exam  
Fluent Aphasia (Wernicke's Aphasia)  
Bell's Palsy: Causes, Symptoms, Diagnosis, Treatment, Pathology  
Unexplained Tonic Clonic Seizures (watch from 2:00 to 6:00)  
Interactive Lecture: Chapter 19  
Lesson 54: Glasgow Coma Score Study Discussion  
Lesson 54: AEIOUTIPS Assignment  
Lesson 54 Self Assessment  
Lesson 54 In-Class Quiz  
Instructor Resources  
Lesson Plan: Lesson 45  
Think, Find, Ask Handout: Lesson 45  
Nervous System Drug Cards: Lesson 45  
Challenge Scenario: Lesson 45  
Required Resources  
Lesson Guide: Lesson 45  
Chapter 13 Principles of Pharmacology: 761-767, 781-782, 784-786 (Meds: airway management, neurological conditions, misc. prehospital setting)  
View the following videos:  
Pharmacology: Autonomic Nervous System (Made Easy)  
Pharmacology: Anticholinergics and Neuromuscular Blocking Agents (Made Easy)  
Pharmacology: Opioids (Made Easy)  
Pharmacology: Antiepileptic Drugs (Made Easy)  
Lesson 45 Neurologic Drug Sheets  
Nervous System Drug Sheets: Lesson 45  
Graphic Organizer: Lesson 45  
Lesson 45 Neurologic Drug Filing Cabinet  
Filing Cabinet Instructions: Lesson 45  
ANS Drugs Filing Cabinet Handout: Lesson 45  
ANS Drugs Answer Key: Lesson 45  
CNS Depressants Filing Cabinet Handout: Lesson 45  
CNS Depressants Answer Key: Lesson 45  
Paralytics Filing Cabinet Handout: Lesson 45  
Paralytics Answer Key: Lesson 45  
Lesson 45 Neurologic Drug Flash Cards

Nervous System Drugs Flashcards: Lesson 45  
 Lesson 45: Create Your Own Memory Aid  
 Lesson 45 Self Assessment  
 Recommended Resources  
 Slides: Chapter 13  
 Lecture Outline: Chapter 13  
 Student -Facilitated Scenario Handout: Lesson 45  
 Scenario Role Cards: Lesson 45  
 Lesson 45 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 61  
 Casino Cards: Lesson 61  
 Lecture Outline: Chapter 25  
 Required Resources  
 Lesson Guide: Lesson 61  
 Chapter 25 Hematologic Emergencies  
 View the following videos:  
 Hematocrit Measurement  
 Blood Types Explained: Blood Groups (ABO) and RH Factor  
 Blood Transfusion Procedure Nursing: Reaction Types, Complications  
 Student -Facilitated Scenario Handout: Lesson 61  
 Scenario Role Cards: Lesson 61  
 Interactive Lecture: Chapter 25  
 Lesson 61 Self-Assessment  
 Recommended Resources  
 Slides: Chapter 25  
 Case Studies: Chapter 25  
 Assessment in Action: Chapter 25  
 Flashcards: Chapter 25  
 Instructor Resources  
 Lesson Plan: Lesson 55  
 Escape Room Clue Cards: Lesson 55  
 Escape Room Eye Chart: Lesson 55  
 Escape Room Matching Cards: Lesson 55  
 Escape Room Graphic Organizer: Lesson 55  
 Escape Room Anaphylaxis Handout: Lesson 55  
 Challenge Scenario 1: Lesson 55  
 Challenge Scenario 2: Lesson 55  
 Challenge Scenario 3: Lesson 55  
 Sort It Cards: Lesson 55  
 Lecture Outline: Chapter 26  
 Lecture Outline: Chapter 39: Section IX  
 Required Resources  
 Lesson Guide: Lesson 55  
 Chapter 26 Immunologic Emergencies  
 Chapter 39 Environmental Emergencies: p. 2213-2222 (Envenomation sections)  
 Watch the following videos:  
 Virtual Ride-Along Video: Allergic Reaction  
 Patient Assessment: Allergic Reaction  
 Interactive Lecture: Chapter 26  
 Student-Facilitated Scenario Handout: Lesson 55  
 Scenario Role Cards: Lesson 55

Recommended Resources  
 Slides: Chapter 26  
 Slides: Chapter 39 - #166-206  
 Case Studies: Chapter 26  
 Assessment in Action: Chapter 26  
 Flashcards: Chapter 26  
 Instructor Resources  
 Lesson Plan: Lesson 56  
 Environmental Emergencies Graphic Organizer: Lesson 56  
 Challenge Scenario: Lesson 56  
 Lecture Outline: Chapter 39: Sections I-VIII  
 Required Resources  
 Lesson Guide: Lesson 56  
 Chapter 39 Environmental Emergencies: 2169-2213, 2222-2231 (minus envenomation section)  
 Read the following articles:  
 Exertional Heat Illness in Adolescents and Adults: Management and Prevention  
 Considerations When Assessing and Treating Patients with Lightning Injuries  
 Student-Facilitated Scenario Handout: Lesson 56  
 Scenario Role Cards: Lesson 56  
 Interactive Lecture: Chapter 39  
 Lesson 55-56 Quiz  
 Recommended Resources  
 Slides: Chapter 39 - #1-166  
 Case Studies: Chapter 39  
 Assessment in Action: Chapter 39  
 Flashcards: Chapter 39  
 Instructor Resources  
 Lesson Plan: Lesson 59  
 Sort It Cards: Chapter 59  
 Challenge Scenario: Lesson 59  
 Lecture Outline: Chapter 27  
 Required Resources  
 Lesson Guide: Lesson 59  
 Review: Interim Infection Prevention and Control  
 Recommendations for Healthcare Personnel During the Coronavirus Disease 2019 (COVID-19) Pandemic  
 Read: Chapter 27 Infectious Diseases  
 CDC Vital Signs: Stop the Spread of Antibiotic Resistance  
 Demonstration of Donning (Putting On) Personal Protective Equipment (PPE)  
 Demonstration of Doffing (Taking Off) Personal Protective Equipment (PPE)  
 Student -Facilitated Scenario Handout: Lesson 59  
 Scenario Role Cards: Lesson 59  
 Interactive Lecture: Chapter 27  
 Lesson 59 Self Assessment  
 Recommended Resources  
 Slides: Chapter 27  
 Case Studies: Chapter 27  
 Assessment in Action: Chapter 27

Flashcards: Chapter 27  
 Lesson 59 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 63  
 Hallucination Cards: Lesson 63  
 Challenge Scenario 1: Lesson 63  
 Challenge Scenario 2: Lesson 63  
 Challenge Scenario 3: Lesson 63  
 Required Resources  
 Lesson Guide: Lesson 63  
 View the following videos:  
 A Brief History of Mental Illness Treatment  
 Categories of Mental Disorders  
 Read the Following:  
 Chapter 29 Psychiatric Emergencies  
 Patient-Centered Communications: Lesson 63  
 View these additional videos:  
 Trauma and the Brain  
 What is Bipolar Disorder?  
 Clinical Depression: What is Depression-Depression  
 Symptoms and Treatment Options  
 Donald Lewis: Killed by Excited Delirium or West Pal Beach Police? (Watch only the first 7 minutes; this demonstrates the dangers of improper restraint of a patient with excited delirium)  
 Virtual Ride-Along Video: Psychiatric Emergency  
 Read: "How the Brain Can Hear Voices That Don't Exist"  
 Practice: The LA PTSD Checklist  
 Skill Evaluation Sheets: Chapter 29  
 Skill Drills: Chapter 29  
 Student-Facilitated Scenario Handout: Lesson 63  
 Scenario Role Cards: Lesson 63  
 Interactive Lecture: Chapter 29  
 Lesson 63 Self Assessment  
 Recommended Resources  
 Slides: Chapter 29  
 Lecture Outline: Chapter 29  
 Case Studies: Chapter 29  
 Assessment in Action: Chapter 29  
 Flashcards: Chapter 29  
 Lesson 63 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 58  
 Sort It Cards: Lesson 58  
 Challenge Scenario: Lesson 58  
 Lecture Outline: Chapter 28  
 RPN111 rPrL RPrC;n111 rPrC;  
 Lesson Guide: Lesson 58  
 Watch the following video:  
 Overview of Psychoactive Drugs: Processing the Environment (Provides a general overview of drugs that are commonly misused).  
 Chapter 28 Toxicology  
 Watch the following videos:

Psychoactive Drugs: Depressants and Opiates  
 Psychoactive Drugs: Stimulants  
 Psychoactive Drugs: Hallucinogens  
 Bodycam Shows Cops Save Overdosing Man With Narcan in Florida  
 Review & be ready to discuss: Drug Abuse Statistics from the American Addiction Centers  
 Lesson 58: Build It Assignment  
 Student-Facilitated Scenario Handout: Lesson 58  
 Scenario Role Cards: Lesson 58  
 Recommended Resources  
 Slides: Chapter 28  
 Case Studies: Chapter 28  
 Assessment in Action: Chapter 28  
 Instructor Resources  
 Lesson Plan: Lesson 66  
 Sort It Cards: Lesson 66  
 Lecture Outline: Chapter 20  
 Required Resources  
 Lesson Guide: Lesson 66  
 Chapter 20 Diseases of the Eyes, Ears, Nose, and Throat  
 View the following videos:  
 How to Perform Otoscopy (Ear Exam)  
 Otitis Media, Perforated TM With Bleeding, and Bubbles in the Ear Drum?  
 Fundoscopy in 5 Min  
 Interactive Lecture: Chapter 20  
 Lesson 66 Self Assessment  
 Student-Facilitated Scenario Handout: Lesson 66  
 Scenario Role Cards: Lesson 66  
 Recommended Resources  
 Slides: Chapter 20  
 Case Studies: Chapter 20  
 Assessment in Action: Chapter 20  
 Flashcards: Chapter 20  
 Lesson 66 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 60  
 Casino Cards: Lesson 60  
 Challenge Scenario 1: Lesson 60  
 Challenge Scenario 2: Lesson 60  
 Lecture Outline: Chapter 24  
 Required Resources  
 Lesson Guide: Lesson 60  
 Read: Chapter 24 Endocrine Emergencies  
 View the following videos:  
 Endocrine Gland Hormone Review: Endocrine System Physiology  
 Diabetes Mellitus (Type 1, Type 2.) and Diabetes Ketoacidosis (DKA)  
 Thyroid Storm  
 Addison's Crisis - Adrenal Crisis  
 Interactive Lecture: Chapter 24

Lesson 60 Self Assessment  
 Student -Facilitated Scenario Handout: Lesson 60  
 Scenario Role Cards: Lesson 60  
 Recommended Resources  
 Slides: Chapter 24  
 Case Studies: Chapter 24  
 Assessment in Action: Chapter 24  
 Flashcards: Chapter 24  
 Lesson 60 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 47  
 Think, Find, Ask Handout: Lesson 47  
 Drug Cards: Lesson 47  
 Challenge Scenario: Lesson 47  
 Required Resources  
 Lesson Guide: Lesson 47  
 Chapter 13 Principles of Pharmacology: 782-783 (GI Meds),  
 784-786 (Misc. Prehospital  
 Meds)  
 Watch the following videos:  
 What Is Diabetes Mellitus? Endocrine System Diseases  
 Pharmacology: Antiemetics  
 Pharmacology: Diabetes Medication  
 Pharmacology: Drugs for Diabetes (Made Easy)  
 Lesson 47 Diabetic and Antiemetic Drug Sheets  
 Drugs for Diabetes and Antiemetics Drug Sheets: Lesson 47  
 Graphic Organizer: Lesson 47  
 Lesson 47 Diabetic and Antiemetic Drug Filing Cabinet  
 Filing Cabinet Instructions: Lesson 47  
 Drugs for Diabetes Filing Cabinet Handout: Lesson 47  
 Drugs for Diabetes Answer Key: Lesson 47  
 Antiemetics Filing Cabinet Handout: Lesson 47  
 Antiemetics Answer Key: Lesson 47  
 Lesson 47 Diabetic & Antiemetic Drug Flash Cards  
 Drugs for Diabetes and Antiemetics Flashcards: Lesson 47  
 Lesson 47: Make Your Own Memory Aid  
 Lesson 47 Self -Assessment  
 Recommended Resources  
 Slides: Chapter 13  
 Scenario Role Cards: Lesson 47  
 Student-Facilitated Scenario Handout: Lesson 47  
 Lesson 47 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 62  
 Casino Cards: Lesson 62  
 Challenge Scenario: Lesson 62  
 Lecture Outline: Chapter 21  
 Lecture Outline: Chapter 22  
 Required Resources  
 Lesson Guide: Lesson 62  
 Chapter 21 Abdominal and Gastrointestinal Emergencies  
 Chapter 22 Genitourinary and Renal Emergencies  
 View the following videos:  
 Gastrointestinal Bleed

EMS Quick Study Tips: Abdominal Emergencies  
 Abdominal Examination - OSCE Guide  
 Hem;itolmic ;ind Ren;il Emenzencies  
 Virtual Ride-Along Video: GI Bleed  
 Interactive Lecture: Chapter 21  
 Interactive Lecture: Chapter 22  
 Lesson 62 Self-Assessment  
 Student -Facilitated Scenario Handout: Lesson 62  
 Scenario Role Cards: Lesson 62  
 Recommended Resources  
 Slides: Chapter 21  
 Slides: Chapter 22  
 Case Studies:: Chapter 21  
 Case Studies: Chapter 22  
 Assessment in Action: Chapter 21  
 Assessment in Action: Chapter 22  
 Flashcards: Chapter 21  
 Flashcards: Chapter 22  
 Lesson 61 & 62 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 57  
 Challenge Scenario: Lesson 57  
 Lecture Outline: Chapter 28  
 Required Resources  
 Lesson Guide: Lesson 57  
 Chapter 28 Toxicology  
 Watch the following videos:  
 Emergency Medicine - Approach to Poisoning  
 Toxicology - The National Emergency Medicine Board  
 Review Course  
 Cannabis Use Disorder - Causes, Symptoms, Diagnosis,  
 Treatment, Pathology  
 Cyanide Poisoning USM LE Toxicology  
 Toxidromes - Vital Signs and Toxic Syndromes  
 Cholinergic and Anticholinergic Toxicity (Toxidrome)  
 Sympat homimetic Toxidrome - The Tox Series  
 Opioid Toxidrome - The Tox Series  
 Student-Facilitated Scenario Handout: Lesson 57  
 Scenario Role Cards: Lesson 57  
 Interactive Lecture: Chapter 28  
 Lesson 57-58 Self Assessment  
 Recommended Resources  
 Slides: Chapter 28  
 Case Studies: Chapter 28  
 Flashcards: Chapter 28  
 Lesson 57 and 58 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 48  
 Think, Find, Ask Handout: Lesson 48  
 Challenge Scenario: Lesson 48  
 Lecture Outline: Chapter 13: Section VIII, Part H  
 Required Resources  
 Lesson Guide: Lesson 48  
 Chapter 13 Principles of Pharmacology: 784-786 (Misc.

Meds: special attention -  
 calcium preparations, glucagon, sodium bicarbonate)  
 Watch the Following Videos  
 Calcium Channel Blockers (CCB) iroxicology: "EM in 5"  
 TCA Toxicity  
 Narcan Administration Training for Opiate Overdose  
 Overview of Fluid and Electrolyte Physiology  
 Lesson 48 Toxicological and Antidote Drug Sheets  
 Graphic Organizer: Lesson 48  
 Antidotes Drug Sheet s: Lesson 48  
 Lesson 48 Toxicological & Antidote Drug Filing Cabinet  
 Filing Cabinet Instructions: Lesson 48  
 Antidotes Filing Cabinet Handout: Lesson 48  
 Antidotes Answer Key: Lesson 48  
 Lesson 48 Toxicological & Antidote Drug Flash Cards  
 Antidotes Flashcards: Lesson 48  
 Lesson 48: Make Your Own Memory Aid  
 Lesson 48 Self-Assessment  
 Student-Facilitated Scenario Handout: Lesson 48  
 Scenario Role Cards: Lesson 48  
 Recommended Resources  
 Slides: Chapter 13  
 Lesson 48 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 65  
 Communication Cards: Lesson 65  
 Required Resources  
 Lesson Guide: Lesson 65  
 Chapter 46 Patients With Special Challenges  
 Skill Evaluation Sheets: Chapter 46  
 Skill Drill s: Chapter 46  
 View the following videos:  
 Autism - First Responder Access and Functional Needs  
 How to Do an Emergency Trach Change  
 First Responder Communication With Deaf and Hard of  
 Hearing Citizens  
 Failing Kidneys and Different Treatment Options  
 Catheterization - OSCE Guide  
 Foley Catheter Insertion  
 Review basic phrases and medical Signs from the Basic  
 American Sign Language for the  
 Medical Professional website in preparation for class  
 Interactive Lecture: Chapter 46  
 Lesson 65 Self Assessment  
 Student -Facilitated Scenario Handout: Lesson 65  
 Scenario Role Cards: Lesson 65  
 Recommended Resources  
 Slides: Chapter 46  
 Case Studies: Chapter 46  
 Assessment in Action: Chapter 46  
 Flashcards: Chapter 46  
 Lesson 65 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 64

AOL Activity Cards: Lesson 64  
 Geriatric Emergencies Trivia PowerPoint: Lesson 64  
 Challenge Scenario 1: Lesson 64  
 Challenge Scenario 2: Lesson 64  
 Lecture Outline: Chapter 45  
 Required Resources  
 Lesson Guide: Lesson 64  
 Chapter 45 Geriatric Emergencies  
 Watch the following videos:  
 Why Do Our Bodies Age?  
 Aging and Cognitive Abilities: Processing the Enviornment  
 (MCAT, Khan Academy)  
 What Does It Feel Like to Be Old and Alone?  
 Student-Facilitated Scenario Handout: Lesson 64  
 Interactive Lecture: Chapter 45  
 Lesson 64 Self Assessment  
 Scenario Role Cards: Lesson 64  
 Recommended Resources  
 Slides: Chapter 4 5  
 Case Studies:: Chapter 45  
 Assessment in Action: Chapter 45  
 Flashcards: Chapter 45  
 Lesson 64 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 67  
 Anatomy Labeling Challenge Handout: Lesson 67  
 Reproductive System Flashcards: Lesson 67  
 Lecture Outline: Chapter 8 - Section XIX  
 Required Resources  
 Lesson Guide: Lesson 67  
 Chapter 8 Anatomy and Physiology: pg 4!>1-461  
 View the following videos:  
 Reproductive System, Part 1 - Female Reproductive System:  
 Crash Course A&P #40  
 Reproductive System, Part 2 - Male Reproductive System:  
 Crash Course A&P #41  
 How Menstruation Works - Emma Bryce  
 Recommended Resources  
 Slides: Chapter 8, #322-344  
 Lesson 67 Build It Assignment  
 Instructor Resources  
 Lesson Plan: Lesson 68  
 Casino Cards: Lesson 68  
 Draw It, Act It, Tell It Cards: Lesson 68  
 Challenge Scenario 1: Lesson 68  
 Challenge Scenario 2: Lesson 68  
 Lecture Outline: Chapter 23  
 Lecture Outline: Chapter 42  
 Required Resources  
 Lesson Guide: Lesson 68  
 1st: Listen to the podcasts accessed via the lesson guide  
 View the video: " Incredible Footage and It's a Girl!"  
 Chapter 23 Gynecologic Emergencies  
 Chapter 42 Obstetrics



Complete the Graphic Organizer: Lesson 68  
 Prepare for skills review by watching the following videos:  
 How to Deliver a Baby in Breech Presentation  
 Umbilical Cord Prolapse  
 Prolapse Cord  
 PROMPT Shoulder Dystocia Training  
 Shoulder Dystocia Medical Animation  
 Maneuvers for Shoulder Dystocia  
 Student -Facilitated Scenario Handout: Lesson 68  
 Scenario Role Cards: Lesson 68  
 Interactive Lecture: Chapter 23  
 Interactive Lecture: Chapter 42  
 Lesson 68 Self Assessment  
 Recommended Resources  
 Slides: Chapter 23  
 Slides: Chapter 42  
 Case Studies: Chapter 23  
 Case Studies: Chapter 42  
 Assessment in Action: Chapter 23  
 Assessment in Action: Chapter 42  
 Flashcards: Chapter 23  
 Flashcards: Chapter 42  
 Lesson 68 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 46  
 Think, Find, Ask Handout: Lesson 46  
 Challenge Scenario: Lesson 46  
 Lecture Outline: Chapter 13 (Section VIII, Parts E7-10)  
 Required Resources  
 Lesson Guide: Lesson 46  
 Chapter 13 Principles of Pharmacology, pg 779-781  
 (Tranexamic Acid through  
 Fibrinolytics)  
 Chapter 42 Obstetrics: Emergency Pharmacology Section, pg  
 2355-2356)  
 Watch the following videos:  
 Coagulation Cascade: Human Anatomy and Physiology  
 Pharmacology: Anticoagulants and Anti platelet Drugs (Made  
 Easy)  
 Estrogen: Reproductive System Physiology  
 Heart Attack (Myocardial Infarction) Medications  
 Review the Following:  
 AHA Guidelines for ACS Management  
 Lesson 46 ACS & OB Drug Sheets  
 ACS & OB Drug Sheets: Lesson 46  
 Graphic Organizer: Lesson 46  
 Lesson 46 OB Drugs Filing Cabinet  
 ACS Drugs Filing Cabinet Handout: Lesson 46  
 ACS Drugs Answer Key: Lesson 46  
 OB Drugs Filing Cabinet Handout: Lesson 46  
 OB Drugs Answer Key: Lesson 46  
 Lesson 46 OB Drug Flash Cards  
 ACS and OB Drugs Flashcards: Lesson 46  
 Lesson 46 Drug Video or Memory Aid Discussion (OB Drugs)

Scenario Role Cards: Lesson 46  
 Slides: Chapter 13, #155-159  
 Slides: Chapter 42  
 Lecture Outline: Chapter 42  
 Student-Facilitated Scenario Handout: Lesson 46  
 Lesson 46 Self Assessment  
 Instructor Resources  
 Lesson Plan: Lesson 70  
 Casino Cards: Lesson 70  
 Childhood Diseases Flashcards: Lesson 70  
 Lecture Outline: Chapter 44  
 Required Resources  
 Lesson Guide: Lesson 70  
 Chapter 44 Pediatric Emergencies  
 Watch the following videos:  
 Pediatric Assessment Triangle  
 Recognizing Respiratory Distress  
 First Response, Helping the Victims of SIDS  
 Skill Drills: Chapter 44  
 Skill Evaluation Sheets: Chapter 44  
 Interactive Lecture: Chapter 44  
 Lesson 70 Self Assessment  
 Student-Facilitated Scenario Handout: Lesson 70  
 Scenario Role Cards: Lesson 70  
 Recommended Resources  
 Slides: Chapter 44  
 Case Studies: Chapter 44  
 Assessment in Action: Chapter 44  
 Flashcards: Chapter 44  
 Lesson 70 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 69  
 Casino Cards: Lesson 69  
 Draw It, Act It, Tell It Cards: Lesson 69  
 Challenge Scenario 1: Lesson 69  
 Challenge Scenario 2: Lesson 69  
 Lecture Outline: Chapter 43  
 Required Resources  
 Lesson Guide: Lesson 69  
 Watch the following videos:  
 Fetal Circulation Right Before Birth  
 Umbilical Vein Cannulation Training  
 Chapter 43 Neonatal Care  
 Watch the following videos:  
 Neonatologist's Intubation Made Easy  
 Neonatal Resuscitation Simulation  
 Lesson 69 Graphic Organizer  
 Graphic Organizer: Lesson 69  
 Skill Evaluation Sheets: Chapter 43  
 Skill Drills: Chapter 43  
 Interactive Lecture: Chapter 43  
 Student -Facilitated Scenario Handout: Lesson 69  
 Scenario Role Cards: Lesson 69  
 Recommended Resources

Slides: Chapter 43  
 Case Studies: Chapter 43  
 Assessment in Action: Chapter 43  
 Flashcards: Chapter 43  
 Lesson 69 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 30  
 Scope of the Trauma Problem Flashcards: Lesson 30  
 Phases of Trauma Care Graphic Organizer: Lesson 30  
 Golden Hour Flashcards: Lesson 30  
 Trauma Lethal Triad Diagram: Lesson 30  
 Trauma Centers Graphic Organizer: Lesson 30  
 Sort It Cards: Lesson 30  
 Required Resources  
 Lesson Guide: Lesson 30  
 Chapter 30 Trauma Systems and Mechanism of Injury  
 View the following videos:  
 Guided Note Taking Handout: Lesson 30  
 Point of View Perspective of a Trauma Patient  
 Trauma Triad of Death  
 Shock Trauma Center Virtual Tour  
 Lesson Objectives: Lesson 30  
 Student-Facilitated Scenario Handout: Lesson 30  
 Scenario Role Cards: Lesson 30  
 Lesson 30 Paramedic Interview Assignment  
 Interactive Lecture: Chapter 30  
 Recommended Resources  
 Slides: Chapter 30  
 Lecture Outline: Chapter 30  
 Case Studies: Chapter 30  
 Assessment in Action: Chapter 30  
 Flashcards: Chapter 30  
 Instructor Resources  
 Lesson Plan: Lesson 31  
 Challenge Scenario: Lesson 31  
 Required Resources  
 Lesson Guide: Lesson 31  
 Chapter 30 Trauma Systems and Mechanism of Injury  
 View the following videos:  
 Understanding Car Crashes: When Physics Meets Biology  
 The Physics of Car Crashes  
 Kinetic Energy of Metallic Ball  
 Virtual Ride-Along Video: Motorcycle Crash  
 Student-Facilitated Scenario Handout: Lesson 31  
 Scenario Role Cards: Lesson 31  
 Lessons 30-31 Self Assessment  
 Lessons 30-31 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 32  
 Sort It Cards: Lesson 32  
 Challenge Scenario: Lesson 32  
 Required Resources  
 Lesson Guide: Lesson 32

Chapter 30 Trauma Systems and Mechanism of Injury: Read pages 1799-1804  
 Read: PHTLS pgs. 33-38, 167-197  
 Watch the following videos:  
 Rapid Trauma Assessment  
 Trauma Assessment Step by Step - Part 1  
 Trauma Assessment Step by Step - Part 2  
 Trauma Assessment Final  
 Virtual Ride-Along Video: Assault  
 Lesson 32 Trauma Scenarios Assignment  
 Trauma Scenarios Handout: Lesson 32  
 Student-Facilitated Scenario Handout: Lesson 32  
 Scenario Role Cards: Lesson 32  
 Instructor Resources  
 Lesson Plan: Lesson 33  
 Required Resources  
 Lesson Guide: Lesson 33  
 Chapter 9 Pathophysiology, Read pages 489-494, 504-509, 518-523  
 Chapter 31 Bleeding  
 Watch the following videos:  
 Israeli Bandage Demonstration  
 Combat Application Tourniquet (C-A-T) Instructions  
 Humeral EZ-10 Insertion, Official Method  
 Wound Packing Topical Hemostatic Agents  
 Estimating Blood Loss  
 PHTLS: Wound Packing Topical Hemostatic Agents  
 Skill Evaluation Sheets: Chapter 31  
 Skill Drills: Chapter 31  
 Interactive Lecture: Chapter 31  
 Lesson 33 Self Assessment  
 Student-Facilitated Scenario Handout: Lesson 33  
 Scenario Role Cards: Lesson 33  
 Recommended Resources  
 Slides: Chapter 31  
 Lecture Outline: Chapter 31  
 Case Studies: Chapter 31  
 Assessment in Action: Chapter 31  
 Flashcards: Chapter 31  
 Lesson 33 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 35  
 Anatomy or Random Latin Word Cards: Lesson 35  
 Required Resources  
 Lesson Guide: Lesson 35  
 Review Chapter 8 Anatomy and Physiology: pp. 318-323 (anatomy of skull), 391-392 (platelets and blood clotting).  
 Chapter 34 Face and Neck Trauma  
 Watch the following videos:  
 Facial Fractures 1  
 Slideshare Lecture - Penetrating Neck Injuries  
 Penetrating Neck Trauma Anatomy  
 Difficult Airway - C-Spine Injury

Oral Introduction - TNS Trauma Procedure Video Series  
 Interactive Lecture: Chapter 34  
 Lesson 35 Self Assessment  
 Student-Facilitated Scenario Handout: Lesson 35  
 Scenario Role Cards: Lesson 35  
 Recommended Resources  
 Lecture Outline: Chapter 34  
 Case Studies: Chapter 34  
 Assessment in Action: Chapter 34  
 Flashcards: Chapter 34  
 Lesson 35 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 37  
 Trauma Flush Handout: Lesson 37  
 Challenge Scenario: Lesson 37  
 Required Resources  
 Lesson Guide: Lesson 37  
 Lesson 37 Pre-Class Assignments  
 Chapter 38 Orthopaedic Trauma  
 Chapter 13 Principles of Pharmacology  
 Skill Evaluation Sheets: Chapter 38  
 Skill Drills: Chapter 38  
 Interactive Lecture: Chapter 38  
 Lesson 37 Self Assessment  
 Student-Facilitated Scenario Handout: Lesson 37  
 Scenario Role Cards: Lesson 37  
 Recommended Resources  
 Slides: Chapter 38  
 Lecture Outline: Chapter 38  
 Case Studies: Chapter 38  
 Assessment in Action: Chapter 38  
 Flashcards: Chapter 38  
 Lesson 37 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 34  
 Pneumothorax Venn Diagram Handout: Lesson 34  
 Chest Injury Venn Diagram Handout: Lesson 34  
 Challenge Scenario 1: Lesson 34  
 Challenge Scenario 2: Lesson 34  
 Lecture Outline: Chapter 36  
 Lecture Outline: Chapter 37  
 Required Resources  
 Lesson Guide: Lesson 34  
 Chapter 36 Chest Trauma  
 Chapter 37 Abdominal and Genitourinary Trauma  
 Tension Pneumothorax  
 Seven Organs You Could Totally Live Without  
 Skill Evaluation Sheets: Chapter 36  
 Skill Drills: Chapter 36  
 Interactive Lecture: Chapter 36  
 Interactive Lecture: Chapter 37  
 Lesson 34 Abdominal Organs Puzzle Prep  
 Lesson 34 Self Assessment  
 Student-Facilitated Scenario Handout: Lesson 34

Scenario Role Cards: Lesson 34  
 Recommended Resources  
 Slides: Chapter 36  
 Slides: Chapter 37  
 Case Studies: Chapter 36  
 Case Studies: Chapter 37  
 Assessment in Action: Chapter 36  
 Assessment in Action: Chapter 37  
 Flashcards: Chapter 36  
 Flashcards: Chapter 37  
 Digestive System Anatomy  
 Why We Have Pain and How We Kill It  
 Lesson 34 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 38  
 Challenge Scenario: Lesson 38  
 Lecture Outline: Chapter 32  
 Lecture Outline: Chapter 33  
 Student-Facilitated Scenario Handout: Lesson 38  
 Scenario Role Cards: Lesson 38  
 Required Resources  
 Lesson Guide: Lesson 38  
 Chapter 32 Soft-Tissue Trauma  
 Chapter 33 Burns  
 Interactive Lecture: Chapter 32  
 Interactive Lecture: Chapter 33  
 Lesson 38 Self Assessment  
 Recommended Resources  
 Slides: Chapter 32  
 Slides: Chapter 33  
 Case Studies: Chapter 32  
 Case Studies: Chapter 33  
 Assessment in Action: Chapter 32  
 Assessment in Action: Chapter 33  
 Flashcards: Chapter 32  
 Flashcards: Chapter 33  
 Lesson 38 In-Class Quiz  
 Instructor Resources  
 Lesson Plan: Lesson 40  
 Challenge Scenario: Lesson 40  
 Required Resources  
 Lesson Guide: Lesson 40  
 Read the following:  
 Silent But Deadly: The Trauma We Miss in Geriatric Care  
 Prehospital Providers Must Use Caution in Treating Pregnant Trauma Patients  
 Obtaining an Older Patient's Medical History  
 Watch the following videos:  
 Paramedic Geriatric Care: EMS Study Guide Help  
 EMS Quick Study Help: Trauma and Pregnancy  
 Shaken Baby Syndrome Brain Injury  
 Complete the following review: Trauma and Pregnancy  
 Student-Facilitated Scenario Handout: Lesson 40  
 Scenario Role Cards: Lesson 40

## Instructor Resources

Lesson Plan: Lesson 36

Draw It, Act It, Tell It-Part 1: Lesson 36

Draw It, Act It, Tell It-Part 2: Lesson 36

Challenge Scenario: Lesson 36

## Required Resources

Lesson Guide: Lesson 36

Chapter 35 Head and Spine Trauma

Review Chapter 8 Anatomy and Physiology (pp. 324-326, 340-361)

Skill Evaluation Sheets: Chapter 35

Skill Drills: Chapter 35

Watch the following videos:

Intracranial Bleed - Part 1: Causes and Presentations of Epidural and Subdural

Hematoma

Intracranial Bleed - Part 2: Causes and Presentations of Subarachnoid Hemorrhage, Parenchymal Hemorrhage

Intracranial Bleed - Part 3: History and Physical Exam

Intracranial Bleed - Part 4: Investigations

Intracranial Bleed - Part 5: Management

Interactive Lecture: Chapter 35

Lesson 36 Build It Assignment

Lesson 36 Self Assessment

Student-Facilitated Scenario Handout: Lesson 36

Scenario Role Cards: Lesson 36

## Recommended Resources

Slides: Chapter 35

Lecture Outline: Chapter 35

Case Studies: Chapter 35

Assessment in Action: Chapter 35

Flashcards: Chapter 35

Lesson 36 In-Class Quiz

## Instructor Resources

Lesson Plan: Lesson 39

Resources vs. Complications Game: Lesson 39

## Required Resources

Lesson Guide: Lesson 39

Read the following:

Key Concepts of Civilian Trauma Combat Casualty Care: Lesson 39

EMS: Las Vegas Changes Everything

Review Chapter 31, Bleeding

Watch the following videos:

Police Bodycam Footage From the Pulse Nightclub Shooting

<https://www.youtube.com/watch?v=YFWwTEQchcw>

EMS Rescue Task Force

Skill Evaluation Sheets: Lesson 39

Lesson 39 Self Assessment

Student-Facilitated Scenario Handout: Lesson 39

Scenario Role Cards: Lesson 39

Consider reading Chapter 22, Civilian Tactical Emergency Medical

## Support (TEMS)

End of Course Survey

## 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 pages 725-761

Chapter 13 Principles of Pharmacology

## Recommended Resources

Slides: Chapter 13

Lecture Outline: Chapter 13

Pharmacology: Pharmacokinetics: (Made Easy)

## Instructor Resources

Lesson Plan: Lesson 42

Medication Math Skills Practice Handout: Lesson 42

Think Fast Cards: Lesson 42

## Required Resources

Lesson Guide: Lesson 42

Chapter 14 Medication Administration

Chapter 15 Emergency Medications

Watch the following videos:

Paramedic Medical Math Part 1

Paramedic Medical Math Part 2

Paramedic Medical Math Part 3

Review each of the following:

Skill Drills: Chapter 14

Skill Evaluation Sheets: Chapter 14

Think Fast Handout: Lesson 42

Memorize Medication Name Handout: Lesson 42

Scenario Role Cards: Lesson 42

## Recommended Resources

Slides: Chapter 14

Slides: Chapter 15

Lecture Outline: Chapter 14

Lecture Outline: Chapter 15

Case Studies: Chapter 14

Case Studies: Chapter 15

Assessment in Action: Chapter 14

Flashcards: Chapter 14

## Recommended Videos

Drug Calculations by ACLS Certification Institute

Basic Pharmacology Math by the Practical Paramedic

EMS Skills: Intravenous Access

How to Start an IV

Arrow EZ-10 Infant Child Needle Selection and Insertion

Technique Animation Video

EZ-10 by Vidacare

EMS Skills: ALS Medication Preparation and Administration

Interactive Lecture: Chapter 14

Interactive Lecture: Chapter 15  
Student-Facilitated Scenario Handout: Lesson 42  
Virtual Ride-Alongs  
Virtual Ride-Along Video: COPD  
Virtual Ride-Along Video: Altered Mental Status  
Virtual Ride-Along Video: Attempted Suicide  
Virtual Ride-Along Video: Difficulty Breathing  
Virtual Ride-Along Video: Fall in Apartment  
Virtual Ride-Along Video: Geriatric Altered Mental Status  
Virtual Ride-Along Video: Mass-Casualty Incident Drill  
Virtual Ride-Along Video: Respiratory Distress  
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 13  
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 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 50  
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: 5-19-2025

End: 9-9-2025

Monday

9:00 AM - 1:00 PM

2:00 PM - 6:00 PM

Tuesday

9:00 AM - 1:00 PM

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

---

## Instructor Contact Information

Nancy Small — [nsmall@stech.edu](mailto: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](https://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

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% | • B : 83 - 86%  | • C : 73 - 76%  | • D : 63 - 66%  |
| • A- : 90 - 93% | • B- : 80 - 82% | • C- : 70 - 72% | • D- : 60 - 62% |
| • B+ : 87 - 89% | • C+ : 77 - 79% | • D+ : 67 - 69% | • 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](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