



TESU 1051 – Surgical Procedures I (2 Credits)

Description

The Surgical Procedures I course will review surgical specialties and differentiate anatomy, physiology, and instrumentation pertaining to the specialty. They will demonstrate several procedures set ups throughout the specialties.

Course Objectives

- Discuss select instrumentation, equipment, supplies, and drugs used for the relevant specialties.
- Analyze relevant body systems and related pathophysiology leading to surgeries
- Review relevant medical terminology
- Demonstrate surgical case set ups
- Assess perioperative care and complications

Course Outline

- The Digestive System and General Surgery
- The Respiratory System and Otorhinolaryngologic Surgery
- The Muscular System, Maxillofacial Surgery, and Reconstructive Surgery
- Final Exams

Textbook & Reading Materials

Cengage Unlimited Subscription

Assignments & Assessments

- Orientation
- TESU 1051 Syllabi
- Chapter 16 PowerPoint
- Chapter 16: Nutrition and the Digestive System
- Reality Check
- 16. Reality Check
- 16-A. Reality Check
- Anatomy and Physiology
- Anatomy and Physiology
- Body Systems Working Together
- Pathology
- Common Disease, Disorder, or Condition: Mumps
- Common Disease, Disorder, or Condition: Cavities and Tooth Decay
- Common Disease, Disorder, or Condition: Hiatal Hernia
- Common Disease, Disorder, or Condition: Ulcers
- Common Disease, Disorder, or Condition: Disorders of the Digestive System
- Quick ,check: Matching 16.1
- Quick Check: Matching 16.2
- Study Time
- 16. Summary Outline
- 16. Flashcards
- 16. Lecture Notes
- 16. Search and Explore
- Chapter Homework
- 16. Homework
- Introduction
- 16. Apply Yourself: Learning Lab
- 16. Test Yourself
- Chapter 8 Medical Terminology PowerPoint
- Chapter 8
- Digestive System Combining Forms, Suffixes and Prefixes
- Digestive System Organs and Functions
- Swallowing Safeguards
- Digestion
- Digestive Terms Definitions
- Chapter 8 The Digestive System
- Chapter Introduction; Structures and Functions; Medical Specialties
- Chapter 8 Introduction
- Struct ures, Functions and Medical Specialties of the Digestive System
- 8.1 Check Your Understanding: Word Part Mastery
- 8.2: Check Your Understanding: Building Terms
- 8.3 Check Your Understanding: Vocabulary
- 8.4 Check Your Understanding: Spelling Terms
- 8.1 Image Labeling
- Pathology
- Pathology of the Digestive System
- 8.5 Check Your Understanding: Word Part Mastery
- 8.6: Check Your Understanding: Building Terms
- 8.7 Check Your Understanding: Vocabulary
- 8.8 Check Your Understanding: Spelling Terms
- Apply lit: 8.1 Medical Term Translation
- Apply lit: 8.2 Image Identification
- Diagnosis and Treatment
- Diagnosis and Treatment of the Digestive System
- 8.9 Check Your Understanding: Word Part Mastery
- 8.10: Check Your Understanding: Building Terms
- 8.11 Check Your Understanding: Vocabulary
- 8.12 Check Your Understanding: Spelling Terms
- Study It
- Chapter 8 Flashcards
- Chapter 8 Lect ure Notes
- Review It: Word Parts and Abbreviations Learned in Previous Chapters
- 8.1 Recall Word Parts Learned in Chapters 3-7
- 8.2 Recall Abbreviations Learned in Chapters 3-7
- Read Chapter 8 The Digestive System
- Abbreviations
- 8.13 Check Your Understanding: Abbreviations
- Quiz: Chapter 8 Pronounce
- Quiz: Chapter 8 The Digestive System
- Apply lit: Chapter 8 The Human Touch Critical Thinking Exercise
- Apply lit: 8.1 Medical Terminology at Work
- Chapter 14 Surgical Technology PowerPoint
- Surgical Procedures I
- Section 3: Surgical Procedures
- Chapter 14: General Surgery
- Prepare
- What You Will Learn
- Anatomy & Physiology Review
- Read
- General Surgery
- Review Surgical Procedures
- Procedure 14-1: Laparotomy
- Procedure 14-2: Laparoscopic Nissen Fundoplication
- Procedure 14-3: Gastrostomy
- Procedure 14-4: Total Gastrectomy
- Procedure 14-5: Colon Resection

- Procedure 14-6: Laparoscopic Appendectomy
Procedure 14-7: Appendectomy
Procedure 14-8: Hemorrhoidectomy
Procedure 14-9: Liver Resection
Procedure 14-10: Open Cholecystectomy with Cholangiogram
Procedure 14-11: Laparoscopic Cholecystectomy
Procedure 14-12: Pancreatectomy
Procedure 14-13: Pancreaticoduodenectomy (Whipple Procedure)
Procedure 14-14: Splenectomy
Procedure 14-15: Laparoscopic Splenectomy
Procedure 14-16: McVay (Cooper Ligament) Inguinal Herniorraphy
Procedure 14-17: TEP Laparoscopic Inguinal Hernia Repair
Procedure 14-18: Ventral (Incisional) Herniorrhaphy
Procedure 14-20: Breast Biopsy
Procedure 14-21: Sentinel Node Biopsy with Isosulfan Blue Dye
Procedure 14-22: Modified Radical Mastectomy
Procedure 14-23: Thyroidectomy Study
Key Terms for Chapter 14
Chapter 14 Flashcards - Terms & Images
Animations (5)
Videos (2)
Flip Book: Bowel Anastomosis
Flip Book: Laparoscopic Cholecystectomy
Matching Exercise 14.01
Matching Exercise 14.07
Matching Exercise 14.09
Matching Exercise 14.10
Matching Exercise 14.12
Do
Chapter 14 Certification Style Exam Quiz
Mayo Stand Setup - Basic Laparoscopic Cholecystectomy: Intraoperative
Mayo Stand Setup - Basic Exploratory laparotomy: Exposure
Mayo Stand Setup - Basic Exploratory laparotomy: Intraoperative Deep Exposure
Module 1 Quiz- Requires Respondus LockDown Browser
Inguinal Herniorrhaphy Lab
Chapter 14 Surgical Technology Case Study
Laparoscopic vs Laparotomy Lab
Cholecystectomy Mock Lab
Chapter 17 Anatomy/Physiology PowerPoint
Chapter 17: The Respiratory System
Reality Check
17. Reality Check
17-A. Reality Check
17-B. Rea lity Check
Anatomy and Physiology
Anatomy and Physiology
Quick check: Matching 17.1
Quick check: Labeling 17.1
Body Systems Working Together
Pathology
Common Disease, Disorder, or Condition: Disorders of the Respiratory System
Quick check: Matching 17.2
Study Time
17. Summary Outline
17. Flashcards
17. Lecture Notes
17. Search and Explore
Chapter Homework
17. Homework
Introduction
17.ApplyYourself : Learning Lab
17. Test Yourself
Chapter 7 Medical Terminology PowerPoint
Chapter 7
Respiratory Combining Forms, SUJffixes and Prefixes
Identifying Structures and Functions of the Respiratory System
Respiratory Safeguards
How Respiration Works
Asthma
Thoracocentesis
Respiratory System Definitions
Chapter 7 The Respiratory System
Chapter Introduction; Structures and Functions; Medical Specialties
Chapter 7 Introduction
Structures, Functions and Medical Specialties of the Respiratory System
7.1 Check Your Understanding: Word Part Mastery
7.2: Check Your Understanding: Building Terms
7.3 Check Your Understanding: Vocabulary
7.4 Check Your Understanding: Spelling Terms
7.1 Image Labeling
Pathology
Pathology of the Respiratory System
7.5 Check Your Understanding: Word Part Mastery
7.6: Check Your Understanding: Building Terms
7.7 Check Your Understanding: Vocabulary
7.8 Check Your Understanding: Spelling Terms

Apply lit: 7.2 Image Identification
Diagnosis and Treatment
Diagnosis and Treatment of the Respiratory System
7.9 Check Your Understanding: Word Part Mastery
7.10: Check Your Understanding: Building Terms
7.11 Check Your Understanding: Vocabulary
7.12 Check Your Understanding: Spelling Terms
Apply lit: 7.3 Medical Term Translation
Study It
Chapter 7 Pronunciation Review
Chapter 7 Flashcards
Chapter 7 Lecture Notes
Review It: Word Parts and Abbreviations Learned in Previous Chapters
7.1 Recall Word Parts Learned in Chapters 3-6
7.2 Recall Abbreviations Learned in Chapters 3-6
Read Chapter 7 The Respiratory System
Abbreviations
7.13 Check Your Understanding: Abbreviations
Quiz: Chapter 7 Pronounce
Quiz: Chapter 7 The Respiratory System
Apply lit: Chapter 7 The Human Touch Critical Thinking Exercise
Apply lit: 7.1 Medical Terminology at Work
Apply lit: 7.1 Apply Terms Learned in Chapters 3-6
Chapter 17 Surgical Technology Powerpoint
Chapter 17: Otorhinolaryngologic Surgery
Prepare
What You Will Learn
Anatomy & Physiology Review
Anatomy & Physiology Review
Read
Otorhinolaryngologic Surgery
Review Surgical Procedures
Procedure 17-1: Myringotomy
Procedure 17-2: Tympanoplasty
Procedure 17-3: Mastoidectomy
Procedure 17-4: Stapedectomy
Procedure 17-5: Cochlear Implant
Procedure 17-6: SMR/Septoplasty
Procedure 17-7: Turbinectomy
Procedure 17-8: Polypectomy
Procedure 17-9: Choanal Atresia Repair
Procedure 17-10: Functional Endoscopic Sinus Surgery (FESS)
Procedure 17-11: Caldwell-Luc
Procedure 17-12: Tonsillectomy and Adenoidectomy
Procedure 17-14: Uvulopalatopharyngoplasty (UPPP)

Procedure 17-15: Laryngectomy
Procedure 17-18: Tracheotomy
Study
Key Terms for Chapter 17
Chapter 17 Flashcards - Terms
Animations (3)
Matching Exercise 17.01
Do
Chapter 17 Certification Style Exam Quiz
Chapter 22: Cardiothoracic Surgery
ENT Surgical Procedure Presentation
Module 2 Quiz- Requires Respondus LockDown Browser
Tracheostomy Lab
T&A lab
Chapter 17 Surgical Technology Case Study
Septoplasty Mock Lab
Chapter 9 Anatomy/Physiology Powerpoint
Surgical Procedures I
Chapter 9: The Muscular System
Reality Check
9. Reality Check
9-A. Reality Check
9-B. Reality Check
Anatomy and Physiology
Anatomy and Physiology
Quick check: Matching 9.1
Body Systems Working Together
Pathology
Common Disease, Disorder, or Condition: Disorders of Muscle
Quick check: Matching 9.2
Quick check: Matching 9.3
Study Time
9. Summary Outline
9. Flashcards
9. Lecture Notes
9. Search and Explore
Chapter Homework
9. Homework
Introduction
9. Apply Yourself: Learning Lab
9. Test Yourself
Chapter 4 Medical Terminology Powerpoint
Surgical Procedures I
Video Library
Chapter4
Types of Muscle Tissue
The Muscles
Chapter 4 The Muscular System

- Chapter Introduction; Structures and Functions; Medical Specialties
- Chapter 4 Introduction
- Struct ures, Functions and Medical Specialties of the Muscular System
- 4.1 Check Your Understanding: Word Part Mastery
- 4.2: Check Your Understanding: Building Terms
- 4.3 Check Your Understanding: Vocabulary
- 4.4 Check Your Understanding: Spelling Terms
- 4.1 Image Labeling
- Pathology
- Pathology of the Muscular System
- 4.5 Check Your Understanding: Word Part Mastery
- 4.6: Check Your Understanding: Building Terms
- 4.7 Check Your Understanding: Vocabulary
- 4.8 Check Your Understanding: Spelling Terms
- Apply lit: 4.1 Medical Term Translation
- Diagnosis and Treatment
- Diagnosis and Treatment of the Muscular System
- 4.9 Check Your Understanding: Word Part Mastery
- 4.10: Check Your Understanding: Building Terms
- 4.11 Check Your Understanding: Vocabulary
- 4.12 Check Your Understanding: Spelling Terms
- Study It
- Chapter 4 Pronunciation Review
- Chapter 4 Flashcards
- Chapter 4 Lecture Notes
- Review It: Word Parts and Abbreviations Learned in Chapter
- 3
- 4.1 Recall Word Parts Learned in Chapter 3
- 4.2 Recall Abbreviations Learned in Chapter 3
- Read Chapter 4 The Muscular System
- Abbreviations
- 4.13 Check Your Understanding: Abbreviations
- Quiz: Chapter 4 Pronounce
- Quiz: Chapter 4 The Muscular System
- Apply lit: Chapter 4 The Human Touch Critical Thinking Exercise
- Chapter 18 Surgical Technology PowerPoint
- Chapter 18: Oral and Maxillofacial Surgery
- Prepare
- What You Will Learn
- Anatomy & Physiology Review
- Read
- Oral and Maxillofacial Surgery
- Review Surgical Procedures
- Procedure 18-1: Tooth Extraction/Odontectomy
- Procedure 18-2: Application of Arch Bars
- Procedure 18-3: Plate and Screw Fixation of Mandibular Fracture
- Procedure 18-4: Orbital Floor Fracture Repair
- Procedure 18-5: Le Fort I Fracture Repair
- Procedure 18-6: Le Fort II and III Fracture Repair
- Study
- Key Terms for Chapter 18
- Chapter 18 Flashcards - Terms
- Do
- Chapter 18 Certification Style Exam Quiz
- Chapter 19 Surgical Technology PowerPoint
- Chapter 19: Plastic and Reconstructive Surgery
- Prepare
- What You Will Learn
- Anatomy & Physiology Review
- Read
- Plastic and Reconstructive Surgery
- Review Surgical Procedures
- Procedure 19-1: Full-Thickness and Split-Thickness Skin Grafts
- Procedure 19-2: 2-Plasty Scar Revision
- Procedure 19-3: Blepharoplasty
- Procedure 19-4: Endoscopic Brow Lift
- Procedure 19-5: Malar Implants
- Procedure 19-6: Mentoplasty
- Procedure 19-7: Otoplasty
- Procedure 19-8: Rhinoplasty: External Technique
- Procedure 19-9: Rhytidectomy
- Procedure 19-10: Cheiloplasty or Cleft Lip Repair
- Procedure 19-11: Cleft Palate Repair: V-Y Palatoplasty Technique
- Procedure 19-12: Toe-to-Hand Transfer
- Procedure 19-13: Subtotal Palmar Fasciectomy for Dupuytren's Contracture
- Procedure 19-14: Centralization of Radial Ossification
- Procedure 19-15: Release of Syndactyly
- Procedure 19-17: Augmentation Mammoplasty
- Procedure 19-18: Transverse Rectus Abdominis Musculocutaneous Flap (TRAM)
- Procedure 19-19: Nipple Reconstruction
- Procedure 19-20: Mastopexy: Anchor Technique
- Procedure 19-21: Suction Lipectomy
- Procedure 19-22: Abdominoplasty
- Study
- Key Terms for Chapter 19
- Chapter 19 Flashcards - Terms
- Animations (1)
- Matching Exercise 19.03
- Do

Chapter 19 Certification Style Exam Quiz
Rhinoplasty Lab
1060 Final Jeopardy
Plastic/Muscle/Reconstructive PowerPoint Presentation
Chapter 18 Surgical Technology Case Study

Chapter 19 Surgical Technology Case Study
Module 3 Quiz- Requires Respondus LockDown Browser
Procedure Test
Final Exam- Requires Respondus LockDown Browser
End of Course Survey

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

Classroom Hours

Start: 06/17/2026
End: 08/12/2026
Wednesday
8:00 AM - 3:00 PM

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

Instructor Contact Information

Samantha Herbaugh – sherbaugh@stech.edu
Kellie Peacock – kpeacock@stech.edu

Office Hours: By appointment

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

Canvas Information

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

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

Course Grading

Each assignment is awarded points according to how well the submission follows the requirement of the assignment. Students must maintain a minimum of 80% in the course. The assignment groups weight will be as follows: assignments 40%, module quizzes 25%, lab pass-offs and participation 15%, and the final exam 20%. If a student scores less than 80% on a final exam, he/she will have the opportunity to retake the exam for a second attempt. If a student fails to pass the final exam or the course with a minimum of 80%, the student will be dismissed from the program.

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

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

Course Policies

If at any time a student falls below the 80% course minimum, a meeting will be scheduled with the student and instructor/s to discuss make-up opportunities or actions the student may take to improve their grades. Students are expected to attend all scheduled courses at the provided time. Each student must maintain a minimum of 80% attendance in the program. If you are going to be absent, communication with the instructor is required to set up time to make up the time missed. This make up time will be scheduled at the convenience of the instructors. Failure to meet the required attendance standards will result in program dismissal. You may use your cell phones at your own discretion. NO USING CELL PHONES DURING CLASS PRESENTATIONS OR QUIZZES/EXAMS. CELL PHONES ARE NOT ALLOWED IN THE LAB.

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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