

## TESU 1050 - Surgical Procedures I (2 Credits)

### Course 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.

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### 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
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### Course Outline

- The Digestive System and General Surgery
  - The Respiratory System and Otorhinolaryngologic Surgery
  - The Muscular System, Maxillofacial Surgery, and Reconstructive Surgery
  - Final Exams
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### Textbook & Reading Materials

Cengage Unlimited Subscription, Cengage

## Assignments and Assessments

Orientation  
TESU 1050 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. Reality 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. Apply Yourself : Learning Lab  
 17. Test Yourself  
 Chapter 7 Medical Terminology PowerPoint  
 Chapter 7  
 Respiratory Combining Forms, Suffixes and Prefixes  
 Identifying Structures and Functions of the Respiratory System  
 Respiratory Safeguards  
 How Respiration Works  
 Asthma  
 Thoracentesis  
 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  
 Chapter 4  
 Types of Muscle Tissue  
 The Muscles  
 Chapter 4 The Muscular System  
 Chapter Introduction; Structures and Functions; Medical Specialties  
 Chapter 4 Introduction  
 Structures, 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 Dysplasia

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

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

## Classroom Hours

Start: 4-24-2025

End: 7-1-2025

Tu, Th

12:00 PM - 3:00 PM

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

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## Instructor Contact Information

Samantha Herbaugh — [sherbaugh@stech.edu](mailto:sherbaugh@stech.edu)

Kellie Peacock — [kpeacock@stech.edu](mailto: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.

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## Canvas Information

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

- [stech.instructure.com](http://stech.instructure.com)
  - For Canvas, Passwords, or any other computer-related technical support contact Student Services.
  - Regular Hours and Weekdays (435) 586 - 2899
  - After Hours & Weekends (435) 865 - 3929 (Leave a message if no response)
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## Course 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% | • 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: 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](mailto:cestes@stech.edu), (435) 865-3938.

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

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