

## TESU 1040 – Principles and Practices of Surgical Technology (3 Credits)

### Description

The Principles and Practices of Surgical Technology course will introduce students to wound management, and healing. They will be familiar with perioperative care and the principles of asepsis, and attain skills for patient positioning, prepping, and draping.

### Course Objectives

- Explain hemostasis, wound healing, and tissue closure
- Outline perioperative case management
- Demonstrate the principles of asepsis
- Analyze patient prepping and positioning
- Differentiate stapling and closure devices

### Course Outline

- Equipment, Instruments, and Supplies
- The Integumentary System and Hemostasis
- Surgical Case Management
- Final Exams

### Textbook & Reading Materials

Cengage Unlimited Subscription

## Assignments & Assessments

Orientation

TESU 1040 Syllabi

Surgical Instrumentation Book

Instruments per week.pdf

Chapter 10 Surgical Technology

Specialty Equipment PowerPoint

Instrument Classification Assignment

Principles and Practices of Surgical Technology

Section 2: Principles and Practice of Surgical Technology

Chapter 10: Instrumentation, Equipment, and Supplies

Prepare

What You Will Learn

Read

Instrumentation, Equipment, and Supplies

Study

Key Terms for Chapter 10

Chapter 10 Flashcards - Terms

Select the Correct Answer Exercise 10.1

Videos (3)

Matching Exercise 10.03

Select the Correct Answer Exercise 10.5

Do

Chapter 10 Certification Style Exam Quiz

Principles and Practices of Surgical Technology

Chapter 01: History of Surgical Instrumentation

Learn It

Read: Chapter 01 History of Surgical Instrumentation

Chapter 02: Anatomy and Physiology of Surgical Instrumentation

Learn It

Read: Chapter 02 Anatomy and Physiology of Surgical Instrumentation

Study It

Video: Chapter 02 Anatomy and Physiology of Surgical Instrumentation

Instrument Identification Activity: Chapter 02 Anatomy and Physiology of Surgical Instrumentation

Instrumentation

Chapter 03: Categories of Surgical Instrumentation

Learn It

Read: Chapter 03 Categories of Surgical Instrumentation

Study It

Flashcards: Chapter 03 Categories of Surgical Instrumentation

Video: Chapter 03 Categories of Surgical Instrumentation

Chapter 04: Considerations for Instrument Set Assembly

Learn It

Read: Chapter 04 Considerations for Instrument Set Assembly

Study It

Video: Chapter 04 Considerations for Instrument Set Assembly

Chapter 05: Soft Tissue Foundation Sets

Learn It

Read: Chapter 05 Soft Tissue Foundation Sets

Study It

Flashcards: Chapter 05 Soft Tissue Foundation Sets

Video: Chapter 05 Soft Tissue Foundation Sets

Instrument Identification Activity: Chapter 05 Soft Tissue Foundation Sets

Chapter 06: Plastic Surgery Instrumentation

Learn It

Read: Chapter 06 Plastic Surgery Instrumentation

Study It

Flashcards: Chapter 06 Plastic Surgery Instrumentation

Chapter 07: General Surgery Instrumentation

Learn It

Read: Chapter 07 General Surgery Instrumentation

Study It

Flashcards: Chapter 07 General Surgery Instrumentation

Chapter 08: Gynecologic Instrumentation

Learn It

Read: Chapter 08 Gynecologic Instrumentation

Study It

Flashcards: Chapter 08 Gynecologic Instrumentation

Chapter 09: Urologic Instrumentation

Learn It

Read: Chapter 09 Urologic Instrumentation

Study It

Flashcards: Chapter 09 Urologic Instrumentation

Chapter 10: Basic Bone and Joint Instrumentation

Learn It

Read: Chapter 10 Basic Bone and Joint Instrumentation

Study It

Flashcards: Chapter 10 Basic Bone and Joint Instrumentation

Instrumentation

Chapter 11: Head and Neck Procedure Instrumentation

Learn It

Read: Chapter 11 Head and Neck Procedure Instrumentation

Instrumentation

Flashcards: Chapter 11 Head and Neck Procedure Instrumentation

Instrumentation

Chapter 12: Neurosurgery Instrumentation

Learn It

Read: Chapter 12 Neurosurgery Instrumentation  
 Study It  
 Flashcards: Chapter 12 Neurosurgery Instrumentation  
 Chapter 13: Cardiothoracic and Vascular Instrumentation  
 Learn It  
 Read: Chapter 13 Cardiothoracic and Vascular Instrumentation  
 Study It  
 Flashcards: Chapter 13 Cardiothoracic and Vascular Instrumentation  
 Chapter 14: Microsurgery Instrumentation  
 Learn It  
 Read: Chapter 14 Microsurgery Instrumentation  
 Study It  
 Flashcards: Chapter 14 Microsurgery Instrumentation  
 Chapter 15: Endoscopic Instrumentation  
 Learn It  
 Read: Chapter 15 Endoscopic Instrumentation  
 Study It  
 Flashcards: Chapter 15 Endoscopic Instrumentation  
 Chapter 16: Decontamination and Sterilization  
 Learn It  
 Read: Chapter 16 Decontamination and Sterilization  
 Study It  
 Video: Chapter 16 Decontamination and Sterilization  
 Apply lit  
 Critical Thinking Exercise: Chapter 16 Decontamination and Sterilization  
 Module 1 Quiz- Requires Respondus LockDown Browser  
 Chapter 10 Surgical Technology Case Study  
 Duties of a Surgical Technologist  
 Chapter 5 Anatomy and Physiology PowerPoint  
 Principles and Practices of Surgical Technology  
 Chapter 5: Tissues  
 Reality Check  
 5. Reality Check  
 5-A. Reality Check  
 5-B. Reality Check  
 Study Time  
 5. Summary Outline  
 5. Flashcards  
 5. Lecture Notes  
 5. Search and Explore  
 Introduction  
 Introduction; Epithelial Tissue  
 Quick Quick Check: Matching 5.2  
 Connective Tissue; Muscle Tissue; Nervous Tissue  
 Quick ,check: Matching 5.3

Quick ,check: Matching 5.4  
 5. Homework  
 5. Apply Yourself: Learning Lab  
 5. Test Yourself  
 Chapter 6 Anatomy and Physiology PowerPoint  
 Chapter 6: The Integumentary System  
 Reality Check  
 6. Real ity Check  
 6-A. Reality Check  
 6-B. Reality Check  
 Anatomy and Physiology  
 Anatomy and Physiology  
 Quick Quick ,check: Labeling 6.2  
 Quick ,check: Labeling 6.3  
 Body Systems Working Together  
 Pathology  
 Common Disease, Disorder, or Condition: Burns  
 Quick check: Matching 6.1  
 Common Disease, Disorder, or Condition: Skin Cancer  
 Common Disease, Disorder, or Condition: Disorders of the Integumentary System  
 Quick check: Matching 6.2  
 Study Time  
 6. Summary Outline  
 6. Flashcards  
 6. Lecture Notes  
 6. Search and Explore  
 Chapter Homework  
 6. Homework  
 Introduction  
 6. Apply Yourself: Learning Lab  
 6. Test Yourself  
 Chapter 12 Medical Terminology PowerPoint  
 Principles and Practices of Surgical Technology  
 Chapter 12 Skin: The Integumentary System  
 Chapter Introduction  
 Chapter 12 Introduction  
 Struct ures and Functions; Medical Specialties  
 Functions of the Integumentary System  
 The Struct ures of t he Skin and its Related Structures  
 Medical Specialties Related to the Integumentary System  
 12.1 Check Your Understanding: Word Part Mastery  
 12.2: Check Your Understanding: Building Terms  
 12.1 Image Labeling  
 Pathology  
 Pathology of the Integumentary System  
 12.4 Check Your Understanding: Word Part Mastery  
 12.5: Check Your Understanding: Building Terms  
 12.6 Check Your Understanding: Vocabulary

12.7 Check Your Understanding: Spelling Terms  
 Apply lit: 12.1 Medical Term Identification  
 Diagnosis and Treatment  
 Diagnostic Procedures of the Integumentary System  
 Treatment Procedures of the Integumentary System  
 12.8 Check Your Understanding: Word Part Mastery  
 12.9 Check Your Understanding: Building Terms  
 12.10 Check Your Understanding: Vocabulary  
 12.11 Check Your Understanding: Spelling Terms  
 Study It  
 Chapter 12 Pronunciation Review  
 Chapter 12 Flashcards  
 Chapter 12 Lecture Notes  
 Review It: Word Parts and Abbreviations Learned in Previous Chapters  
 12.1 Recall Word Parts Learned in Chapters 8-11  
 12.2 Recall Abbreviations Learned in Chapters 8-11  
 Read Chapter 12 Skin: The Integumentary System  
 Abbreviations  
 12.12 Check Your Understanding: Abbreviations  
 Quiz: Chapter 12 Pronounce  
 Quiz: Chapter 12 Skin: The Integumentary System  
 Apply lit: Chapter 12 The Human Touch Critical Thinking Exercise  
 Apply lit: 12.1 Medical Terminology at Work  
 Apply lit: 12.1 Apply Terms Learned in Chapters 7-11  
 Chapter 11 Surgical Technology PowerPoint  
 Chapter 11: Hemostasis, Wound Healing, and Wound Closure  
 Prepare  
 What You Will Learn  
 Read  
 Hemostasis, Wound Healing, and Wound Closure

Study  
 Key Terms for Chapter 11  
 Chapter 11 Flashcards - Terms  
 Matching Exercise 11.01  
 Do  
 Chapter 11 Certification Style Exam Quiz  
 Module 2 Quiz- Requires Respondus LockDown Browser  
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 chp 11 pt.1  
 chp 11 pt2  
 Chapter 11 Surgical Technology Case Study  
 Stapler PowerPoint  
 Instrument Quiz weeks 8-12  
 Chapter 12 Surgical Technology PowerPoint  
 Chapter 12: Surgical Case Management  
 Prepare  
 What You Will Learn  
 Read  
 Surgical Case Management  
 Study  
 Key Terms for Chapter 12  
 Chapter 12 Flashcards - Terms  
 Videos - Back Table and Prepping Videos  
 Matching Exercise 12.01  
 Videos - Positioning  
 Matching Exercise 12.02  
 Matching Exercise 12.03  
 Do  
 Chapter 12 Certification Style Exam Quiz  
 Module 3 Quiz- Requires Respondus LockDown Browser  
 Chapter 12 Surgical Technology Case Study  
 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: 04/30/2026

End: 06/11/2026

Tu, Th

8:00 AM - 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 where course content, grades, and communication will reside for this course.

- Canvas URL: [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 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](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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