



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	Read: Chapter 04 Considerations for Instrument Set
TESU 1040 Syllabi	Assembly
Surgical Instrumentation Book	Study It
Instruments per week.pdf	Video: Chapter 04 Considerations for Instrument Set
Chapter 10 Surgical Technology	Assembly
Specialty Equipment PowerPoint	Chapter OS: Soft Tissue Foundation Sets
Instrument Classification Assignment	Learn It
Principles and Practices of Surgical Technology	Read: Chapter OS Soft Tissue Foundation Sets
Section 2: Principles and Practice of Surgical Technology	Study It
Chapter 10: Instrumentation, Equipment, and Supplies	Flashcards: Chapter OS Soft Tissue Foundation Sets
Prepare	Video: Chapter 05 Soft Tissue Foundation Sets
What You Will Learn	Instrument Identification Activity: Chapter OS Soft Tissue Foundation Sets
Read	Chapter 06: Plastic Surgery Instrumentation
Instrumentation, Equipment, and Supplies	Learn It
Study	Read: Chapter 06 Plastic Surgery Instrumentation
Key Terms for Chapter 10	Study It
Chapter 10 Flashcards - Terms	Flashcards: Chapter 06 Plastic Surgery Instrumentation
Select the Correct Answer Exercise 10.1	Chapter 07: General Surgery Instrumentation
Videos (3)	Learn It
Matching Exercise 10.03	Read: Chapter 07 General Surgery Instrumentation
Select the Correct Answer Exercise 10.5	Study It
Do	Flashcards: Chapter 07 General Surgery Instrumentation
Chapter 10 Certification Style Exam Quiz	Chapter 08: Gynecologic Instrumentation
Principles and Practices of Surgical Technology	Learn It
Chapter 01: History of Surgical Instrumentation	Read: Chapter 08 Gynecologic Instrumentation
Learn It	Study It
Read: Chapter 01 History of Surgical Instrumentation	Flashcards: Chapter 08 Gynecologic Instrumentation
Chapter 02: Anatomy and Physiology of Surgical Instrumentation	Chapter 09: Urologic Instrumentation
Learn It	Learn It
Read: Chapter 02 Anatomy and Physiology of Surgical Instrumentation	Read: Chapter 09 Urologic Instrumentation
Study It	Study It
Video: Chapter 02 Anatomy and Physiology of Surgical Instrumentation	Flashcards: Chapter 09 Urologic Instrumentation
Instrument Identification Activity: Chapter 02 Anatomy and Physiology of Surgical Instrumentation	Chapter 10: Basic Bone and Joint Instrumentation
Learn It	Learn It
Read: Chapter 03 Categories of Surgical Instrumentation	Read: Chapter 10 Basic Bone and Joint Instrumentation
Learn It	Study It
Read: Chapter 03 Categories of Surgical Instrumentation	Flashcards: Chapter 10 Basic Bone and Joint Instrumentation
Study It	Instrumentation
Flashcards: Chapter 03 Categories of Surgical Instrumentation	Chapter 11: Head and Neck Procedure Instrumentation
Instrumentation	Learn It
Video: Chapter 03 Categories of Surgical Instrumentation	Read: Chapter 11 Head and Neck Procedure Instrumentation
Chapter 04: Considerations for Instrument Set Assembly	Flashcards: Chapter 11 Head and Neck Procedure Instrumentation
Learn It	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. Reality 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	Study
Apply lit: 12.1 Medical Term Identification	Key Terms for Chapter 11
Diagnosis and Treatment	Chapter 11 Flashcards - Terms
Diagnostic Procedures of the Integumentary System	Matching Exercise 11.01
Treatment Procedures of the Integumentary System	Do
12.8 Check Your Understanding: Word Part Mastery	Chapter 11 Certification Style Exam Quiz
12.9 Check Your Understanding: Building Terms	Module 2 Quiz- Requires Respondus LockDown Browser
12.10 Check Your Understanding: Vocabulary	chp 6 1040 jep
12.11 Check Your Understanding: Spelling Terms	chp 11 pt.1
Study It	chp 11 pt2
Chapter 12 Pronunciation Review	Chapter 11 Surgical Technology Case Study
Chapter 12 Flashcards	Stapler PowerPoint
Chapter 12 Lecture Notes	Instrument Quiz weeks 8-12
Review It: Word Parts and Abbreviations Learned in Previous Chapters	Chapter 12 Surgical Technology PowerPoint
12.1 Recall Word Parts Learned in Chapters 8-11	Chapter 12: Surgical Case Management
12.2 Recall Abbreviations Learned in Chapters 8-11	Prepare
Read Chapter 12 Skin: The Integumentary System	What You Will Learn
Abbreviations	Read
12.12 Check Your Understanding: Abbreviations	Surgical Case Management
Quiz: Chapter 12 Pronounce	Study
Quiz: Chapter 12 Skin: The Integumentary System	Key Terms for Chapter 12
Apply lit: Chapter 12 The Human Touch Critical Thinking Exercise	Chapter 12 Flashcards - Terms
Apply lit: 12.1 Medical Terminology at Work	Videos - Back Table and Prepping Videos
Apply lit: 12.1 Apply Terms Learned in Chapters 7-11	Matching Exercise 12.01
Chapter 11 Surgical Technology PowerPoint	Videos - Positioning
Chapter 11: Hemostasis, Wound Healing, and Wound Closure	Matching Exercise 12.02
Prepare	Matching Exercise 12.03
What You Will Learn	Do
Read	Chapter 12 Certification Style Exam Quiz
Hemostasis, Wound Healing, and Wound Closure	Module 3 Quiz- Requires Respondus LockDown Browser
	Chapter 12 Surgical Technology Case Study
	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: 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](#)

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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