

TESU 1010 - Introduction to Surgical Technology (3 Credits)

Course Description

The Introduction to Surgical Technology course will introduce students to the surgical technology profession and will develop the fundamental concepts and principles necessary to successfully participate as a member of the surgical team.

Course Objectives

- Analyze relevant medical terminology
 - Describe the development of the Surgical Technology profession
 - Analyze operating room environment, and identify commonly used equipment and instrumentation
 - Evaluate Preoperative, Intraoperative, and Postoperative case preparation
 - Assess surgical consents and patient identification
 - Explain healthcare organization and describe team member roles and communication
 - Discuss medical law and ethics, surgical conscience, and surgical documentation
 - Identify and demonstrate the use of surgical attire throughout the perioperative setting
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Course Outline

- Introduction to Surgical Technology and Medical Terminology
 - Legal Concepts, Ethical Issues, and the Surgical Patient
 - Patient Populations and Physical and Environment Safety Standards
 - Final Exam
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Textbook & Reading Materials

Cengage Unlimited Subscription, Cengage

Assignments and Assessments

Orientation
Orientation Acknowledgement
TESU 1010 Syllabi
Intro to Medical Terminology Power Point
Introduction to Surgical Technology
Chapter 1
Word Parts Work Together
Combining Word Roots
Identify and Define Word Parts
Word-Building 101
Building Medical Terms from Given Definitions
Mnemonics and Memory Systems
Analyze and Define Medical Terms
Explain Some Basic Pronunciation Guidelines
Recognize and Pronounce Suffixes, Combining Forms and Prefixes
Chapter 1 Introduction to Medical Terminology
Chapter Introduction; Primary Medical Terms and Word Parts
Chapter 1 Introduction
Primary Medical Terms and Word Parts
1.1 Check Your Understanding: Word Part Mastery
1.2: Check Your Understanding: Building Terms
1.3 Check Your Understanding: Vocabulary
Medical Dictionary Use; Pronunciation; Spelling; Singular and Plural Endings
Medical Dictionary Use; Pronunciation; Spelling; Singular and Plural Endings
Look-Alike, Sound-Alike Terms and Word Parts
Look-Alike, Sound-Alike Terms and Word Parts
1.7 Check Your Understanding: Word Part Mastery
1.8: Check Your Understanding: Building Terms
1.9 Check Your Understanding: Vocabulary
1.10 Check Your Understanding: Spelling Terms
Apply lit
Apply lit: 1.1 Word Building
Apply lit: 1.3 Term Dissection
Study It
Chapter 1 Flashcards
Chapter 1 Lecture Notes
Quiz: Chapter 1 Introduction to Medical Terminology
Apply lit: Chapter 1 The Human Touch Critical Thinking Exercise
Medical Terminology Jeopardy
Medical Terminology Quiz- Requires Respondus LockDown Browser
Chapter 1 PowerPoint
Video Library
Section 1: Introduction to Surgical Technology
Chapter 1: Orientation to Surgical Technology
Prepare
What You Will Learn
Read
Orientation to Surgical Technology

Study
Key Terms for Chapter 1
Chapter 1 Flashcards - Terms
Videos (4)
Select the Correct Answer Exercise 1.03
Do
Chapter 1 Certification Style Exam Quiz
Section 2: Principles and Practice of Surgical Technology
Chapter 12: Surgical Case Management
Read
Surgical Case Management
Surgical Scrub
Drying Surgically Scrubbed Hands and Arms
Why should we double glove?
In Class Medical Terminology Assignment
Surgical Technology Jeopardy
Module 1 Quiz- Requires Respondus LockDown Browser
Chapter 1 Surgical Technology Case Study
In Class Surgical History Assignment
Chapter 12 Surgical Technology PowerPoint
Chapter 2 PowerPoint
Chapter 2: Legal Concepts, Risk Management, and Ethical Issues
Prepare
What You Will Learn
Read
Legal Concepts, Risk Management, and Ethical Issues
Study
Key Terms for Chapter 2
Chapter 2 Flashcards - Terms
Videos (1)
Matching Exercise 2.01
Matching Exercise 2.02
Do
Chapter 2 Certification Style Exam Quiz
Chapter 3 PowerPoint
Chapter 3: The Surgical Patient
Prepare
What You Will Learn
Read
The Surgical Patient
Study
Key Terms for Chapter 3
Chapter 3 Flashcards - Terms
Matching Exercise 3.01
Do
Chapter 3 Certification Style Exam Quiz
TESU 1010 module 2 review
Module 2 Quiz- Requires Respondus LockDown Browser
Religion/Culture Comparison In class assignment
Chapter 3 Surgical Technology Case Study
Chapter 2 Surgical Technology Case Study
Ethical Issues In Class Assignment

Instrument Pop Quiz Weeks 1-5
Chapter 4 PowerPoint
Chapter 4: Special Populations
Prepare
What You Will Learn
Read
Special Populations
Study
Key Terms for Chapter 4
Chapter 4 Flashcards - Terms
Animations (1)
Multiple Choice Exercise 4.02
Do
Chapter 4 Certification Style Exam Quiz
Chapter 5 PowerPoint
Chapter 5: Physical Environment and Safety Standards
Prepare
What You Will Learn
Read
Physical Environment and Safety Standards
Study
Key Terms for Chapter 5
Chapter 5 Flashcards - Terms
Matching Exercise 5.01
Matching Exercise 5.02
Do
Chapter 5 Certification Style Exam Quiz
Module 3 Quiz- Requires Respondus LockDown Browser
Chapter 4 Surgical Technology Case Study
Chapter 5 Surgical Technology Case Study
Sharps Safety In Class Assignment
Special Population Presentation
Hospital/Facility Codes
Instrument Quiz Weeks 1-7
Final Exam- Requires Respondus LockDown Browser
Exam Prep Part 1
Exam Prep Part 2
End of Course Survey

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

Classroom Hours

Start: 2-5-2025

End: 3-31-2025

Mo, Tu, W, Th

8:00 AM - 11:00 AM

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

- 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)

Course Policies

Student must adhere to the Program Safety, Performance Standards, and code of conduct outlined in the Surgical Technology Policies and Procedures.

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.

If at anytime 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.

High School Power School Grades: Quarter student grades will be determined by student progress percentage. Faculty will use the higher percentage of either 1) quarter progress, or 2) cumulative progress for the current training plan year. The progress percentage will be used with the grading scale to determine the minimum grade. High School Grade Scale: The following grading scale will be used to determine a letter grade from the progress percentage:

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|---------------|---------------|---------------|---------------|
| • 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% |

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.

Southwest Technical College

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