SOUTHWEST TECH
SOUTHWEST TECHNICAL COLLEGE

TESU 1030 — Surgical Pharmacology (2 Credits)

Description

The Surgical Pharmacology course will introduce students to medication used in surgery and anesthesia care.

Course Objectives

- Analyze all hazards and disaster preparation
- Differentiate medications and types of anesthesia used in surgery
- Examine anesthesia preparation, administration, and monitoring for the patient
- Calculate medication doses
- Assess fluid and blood loss during surgery
- Prepare and manage medication on the field
- Demonstrate surgical counts
- Identify emergency situations and anesthesia complications

Course Outline

- The Human Body in Health and Disease
- Emergency Situations and All-Hazards Preparation
- Surgical Pharmacology and Biomedical Science
- Final Exam

Textbook & Reading Materials

Cengage Unlimited Subscription

Assignments & Assessments

TESU 1030 Syllabi
Chapter 2 Medical Terminology/Anatomy and Physiology
Surgical Pharmacology
Reality Check
1. Real ity Check
1-A. Reality Check
Study Time
1. Summary Out line
1. Flashcards
1. Lecture Notes
1. Search and Explore
Introduction
Introduction; Terms of Direction
Quick check: Matching 1.1
Quick check: Matching 1.2
Planes; Cavities
Quick check: Labeling 1.1
Struct ural Units
Quick check: Ordering 1.1
Homeostasis
1. Homework
1. Test Yourself
Surgical Pharmacology
Video Library
Chapter 2
Body Planes
Body Plane Identification
Directional Terms for the Body
Body Cavities
Quadrants of the Abdomen
The Endocrine and Exocrine Glands
Chapter 2 The Human Body in Health and Disease
Chapter Introduction; Anatomic Reference Systems
Chapter 2 Introduction
Anatomic Reference Systems
2.1 Check Your Understanding: Word Part Mastery
2.2: Check Your Understanding: Building Terms
2.3 Check Your Understanding: Vocabulary
2.4 Check Your Understanding: Spelling Terms
2.1 Image Labeling
Struct ures of t he Body
Struct ures of t he Body
2.5 Check Your Understanding: Word Part Mastery
2.6: Check Your Understanding: Building Terms
2.7 Check Your Understanding: Vocabulary
2.8 Check Your Understanding: Spelling Terms
Pathology
Pathology
2.9 Check Your Understanding: Word Part Mastery
2.10: Check Your Understanding: Building Terms
2.11 Check Your Understanding: Vocabulary
2.12 Check Your Understanding: Spelling Terms
Study It
Chapter 2 Pronunciation Review
Chapter 2 Flashcards
Chapter 2 Lect ure Notes
Read Chapter 2 The Human Body in Health and Disease
Abbreviations
2.13 Check Your Understanding: Abbreviations
Apply lit: 2.2 Whole Body Terminology
Quiz: Chapter 2 Pronounce
Quiz: Chapter 2 The Human Body in Health and Disease
Apply lit: Chapter 2 The Human Touch Critical Thinking
Exercise
Chapter 12: Surgical Case Management
Read
Surgical Case Management
Module 1 Quiz- Requires Respondus LockDown Browser
Chapter 8 Surgical Technology
Chapter 8: Emergency Situations and All-Hazards
Preparation
Prepare
What You Will Learn
Read
Emergency Situations and All-Hazards Preparation
Study
Key Terms for Chapter 8
Chapter 8 Flashcards - Terms
Animations (1)
Matching Exercise 8.01
True-False Exercise 8.05
Do
Chapter 8 Certification Style Exam Quiz
Module 2 Jeopardy
Module 2 Quiz- Requires Respondus LockDown Browser
Chapter 8 Surgical Technology Case Study
Chapter 15 Medical Terminology PowerPoint
Chapter 15
Palpation or Percussion
Radiography Compared with Tomography
Chapter 15 Diagnostic Procedures, Pharmacology, and
Complementary Medicine
Chapter Introduction
Chapter 15 Introduction

Diagnostic Procedures and Recumbent Examination Positions
Diagnostic Procedures
Recumbent Examination Positions
15.1 Check Your Understanding: Word Part Mastery
15.2: Check Your Understanding: Building Terms
15.3 Check Your Understanding: Vocabulary
15.4 Check Your Understanding: Spelling Terms
Apply lit: 15.1 Medical Term Identification
Laboratory Tests, Endoscopy, Cerntesis, and Biopsy
Laboratory Tests
Endoscopy
Centesis
Biopsy
15.5 Check Your Understanding: Word Part Mastery
15.6: Check Your Understanding: Building Terms
15.7 Check Your Understanding: Vocabulary
15.8 Check Your Understanding: Spelling Terms
15.1 Image Labeling
Imaging Techniques, Nuclear Medicine, Pharmacology, NonMedication Prescriptions,
Complementary and Alternative Medicine, and Medical Specialties Related to
Diagnostic Procedures, Pharmacology, and Complementary
Medicine
Imaging Techniques
Nuclear Medicine
Pharmacology
Non-Medication Prescriptions
Complementary and Alternative Medicine
Medical Specialties Related to Diagnostic Procedures, Pharmacology, and
Complementary Medicine
15.9 Check Your Understanding: Word Part Mastery
15.10: Check Your Understanding: Building Terms
15.11 Check Your Understanding: Vocabulary
15.12 Check Your Understanding: Spelling Terms
15.2 Image Labeling
Apply lit: 15.4 Image Identification
Study It
Chapter 15 Pronunciation Review
Chapter 15 Flashcards
Chapter 15 Lecture Notes
Review It: Word Parts and Abbreviations Learned in Previous
Chapters
15.1 Recall Word Parts Learned in Chapters 11-14
15.2 Recall Abbreviations Learned in Chapters 11-14
Read Chapter 15 Diagnostic Procedures, Pharmacology, and
Complementary Medicine
Abbreviations
15.13 Check Your Understanding: Abbreviations
Quiz: Chapter 15 Pronounce
Quiz: Chapter 15 Diagnostic Procedures, Pharmacology, and
Complementary
Medicine
Apply lit: Chapter 15 The Human Touch Critical Thinking Exercise
Apply lit: 15.1 Apply Terms Learned in Chapters 10-14
Surgical Pharmacology
Chapter 6 Surgical Technology PowerPoint
Section 2: Principles and Practice of Surgical Technology
Chapter 6: Biomedical Science and Minimally Invasive Surgery
Prepare
What You Will Learn
Read
Biomedical Science and Minimally Invasive Surgery
Study
Key Terms for Chapter 6
Chapter 6 Flashcards - Terms
Matching Exercise 6.01
Matching Exercise 6.02
Matching Exercise 6.03
Do
Chapter 6 Certification Style Exam Quiz
Chapter 9 Surgical Technology Powerpoint
Chapter 9: Surgical Pharmacology and Anesthesia
Prepare
What You Will Learn
Read
Surgical Pharmacology and Anesthesia
Study
Key Terms for Chapter 9
Chapter 9 Flashcards - Terms
Animations (7)
Matching Exercise 9.01
Select the Correct Answer Exercise 9.04
Do
Chapter 9 Certification Style Exam Quiz
Module 3 Jeopardy
Module 3 Quiz- Requires Respondus LockDown Browser
Medication Presentation Assignment
Chapter 6 Surgical Technology Case Study
Chapter 9 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: 03/30/2026
End: 04/29/2026
Mo, Tu, W, Th
11:00 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)

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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