

TESU 1030 – Surgical Pharmacology (2 Credits)

Course 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
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Course Outline

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

Cengage Unlimited Subscription

Assignments & Assessments

TESU 1030 Syllabi· UPDATE

Chapter 1 Anatomy/ Physiology

Textbook Reading

Chapter01 Read It: The Human Body

Assignments

Chapter 01 Check Your Understanding: The Human Body

1.1 Labeling: Planes of the Body

1.2 Labeling: Directional Terms Relating to Anatomic Position

1.3 Labeling: Body Cavities

1.4 Labeling: Structural Levels of Organization of the Body

Chapter 01 Practice It: The Human Body

Chapter 01 Quiz: The Human Body Study

Chapter 01 Summary Outline: The Human Body

Chapter 1 Flashcards

Chapter 01 PowerPoint: The Human Body

Chapter 2 Medical Terminology

Textbook Reading

Read Chapter 2 The Human Body in Health and Disease

Assignments

Check Your Understanding 2.1 Word Part Mastery

Check Your Understanding 2.1 Building Terms

2.1 Image Labeling

Check Your Understanding 2.1 Abbreviations

Check Your Understanding 2.2 Word Part Mastery

Check Your Understanding 2.2 Building Terms

Check Your Understanding 2.3 Word Part Mastery

Check Your Understanding 2.3 Building Terms

Study

Chapter 2 Pronunciation Review

Chapter 2 Flashcards

Chapter 2 lecture Notes

Chapter 2 Memory Game

In Class Assignments

In Class lectures

Chapter 2 Medical Terminology and Chapter 1 Anatomy and Physiology PowerPoint

Quizzes

Module 1 Quiz- Requires Respondus lockDown Browser

Chapter 8 Surgical Technology

Textbook Reading

Chapter08 Read It: Emergency Situations and All-Hazards Preparation

Assignments

Chapter 08 Opening Case Study: Emergency Situations and All-Hazards Preparation

Chapter 08 Closing Case Study: Emergency Situations and All-Hazards Preparation

Chapter 08 Review: Emergency Situations and All-Hazards Preparation Study

Chapter 08 PowerPoints: Emergency Situations and All-Hazards Preparation

Chapter 08 Flashcards: Emergency Situations and All-Hazards Preparation

Chapter 08 Questions for Further Study: Emergency Situations and All-Hazards Preparation

Chapter 08 Matching Exercise 8.01

Chapter 08 Matching Exercise 8.02

Chapter 08 Fill in the Blank Exercise 8.03

Chapter 08 True or False 8.04

In Class Assignments

In Class lectures

Chapter 8 Surgical Technology PowerPoint

Quizzes

Module 2 Jeopardy

Module 2 Quiz- Requires Respondus LockDown Browser

Chapter 5 Surgical Technology

Textbook Reading

Chapter 05 Read It: Technological Science Concepts

Assignments

Chapter 05 Opening Case Study: Technological Science Concepts

Chapter 05 Closing Case Study: Technological Science Concepts

Chapter 05 Fill in the Blank Exercise 01

Study

Chapter05 PowerPoints: Technological Science Concepts

Chapter 05 Flashcards: Technological Science Concepts

Chapter 05 Questions for Further Study: Technological Science Concepts

Chapter 05 Matching Exercise 5.01

Chapter 05 Matching Exercise 5.02

Chapter 05 Select the Correct Answer 5.03

Chapter 05 Fill in the Blank Exercise 5.04

Chapter 21 Medical Terminology

Textbook Reading

Read Chapter 21 Diagnostic Procedures, Nuclear Medicine, and Complementary Medicine

Assignments

Check Your Understanding 21.1 Word Part Mastery

Check Your Understanding 21.1 Building Terms

Check Your Understanding 21.1 Abbreviations

Check Your Understanding 21.2 Word Part Mastery
Check Your Understanding 21.2 Building Terms
Check Your Understanding 21.3 Word Part Mastery
Check Your Understanding 21.3 Building Terms
Check Your Understanding 21.3 Vocabulary
Study
Chapter 21 Flashcards
Chapter 21 Lecture Notes
Chapter 21 Memory Game
Chapter 22 Medical Terminology
Textbook Reading
Read Chapter 22 Pharmacology
Assignments
Check Your Understanding 22.1 Vocabulary
Quiz: Chapter 22 Pharmacology, Federal Regulation of
Drugs, Drug Names, and Medical Specialties
Check Your Understanding 22.1 Word Part Mastery
Check Your Understanding 22.1 Building Terms
Check Your Understanding 22.2 Word Part Mastery
Check Your Understanding 22.2 Building Terms
Check Your Understanding 22.3 Vocabulary
Study
Chapter 22 Flashcards
Chapter 22 lecture Notes
Chapter 22 Memory Game
Chapter 9 Surgical Technology
Textbook Reading
Chapter 09 Read It: Surgical Pharmacology and
Anesthesia
Chapter 09 Video: Chapter 09: Surgical Pharmacology and
Anesthesia
Assignments

Chapter 09 Opening Case Study: Surgical Pharmacology
and Anesthesia
Chapter 09 Closing Case Study: Surgical Pharmacology
and Anesthesia
Chapter 09 Matching Exercise 01
Chapter 09 Matching Exercise 02
Chapter 09 Matching Exercise 03
Chapter 09 Matching Exercise 04
Chapter 09 Review: Surgical Pharmacology and
Anesthesia
Study
Chapter 09 PowerPoints; Surgical Pharmacology and
Anesthesia
Chapter 09 Flashcards: Surgical Pharmacology and
Anesthesia
Chapter 09 Questions for Further Study: Surgical
Pharmacology and Anesthesia
Chapter 09 Matching Exercise 9 .01
Chapter09 Fill in the Blank Exercise 9.02
Chapter 09 Select the CorTed Answer 9.03
Chapter 09 Select the CorTed Answer 9.04
Chapter 09 Fill in the Blank Exercise 9.05
In Class Assignments
In Class Lectures
Chapter 5 Surgical Technology PowerPoint
Chapter 21 Medical Terminology PowerPoint
Chapter 22 Medical Terminology PowerPoint
Chapter 9 Surgical Technology PowerPoint
Quizzes
Module 3 Jeopardy
Module 3 Quiz- Requires Respondus LockDown Browser
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: 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)
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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.

Southwest Technical College
757 West 800 South
Cedar City, UT 84720
info@stech.edu
(435) 586-2899