



## 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

### 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· 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  
Chapter 09 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

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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](#)

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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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