

## TESU 1070 – Surgical Procedures III (3 Credits)

### Course Description

The Surgical Procedures III course will review surgical specialties and differentiate anatomy, physiology, and instrumentation pertaining to the specialty. They will demonstrate several procedures set ups throughout the specialties.

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### Course Objectives

- Discuss select instrumentation, equipment, supplies, and drugs used for the relevant specialties.
  - Analyze relevant body systems and related pathophysiology leading to surgeries
  - Review relevant medical terminology
  - Demonstrate surgical case set ups
  - Assess perioperative care and complications
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### Course Outline

- The Skeletal System and Orthopedic Surgery
  - The Cardiovascular and Circulatory Systems and Cardiothoracic and Peripheral Vascular Surgery
  - Final Exams
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### Textbook & Reading Materials

Cengage Unlimited Subscription  
NCCT Interactive Review

## Assignments & Assessments

### Orientation

TESU 1070 Syllabi

Chapter 7 Anatomy/Physiology

Textbook Reading

Chapter 07 Read It: The Skeletal System

### Assignments

Chapter 07 Check Your Understanding: The Skeletal System

7.1 Labeling: Structure of the long Bone

7.3 Labeling: Human Skeleton

7.4 Labeling: Cranial Bones

7.5 Labeling: Vertebral Column

7.6 Labeling: Humerus

7.7 Labeling: Radius and Ulna

7.8 Labeling: Bones of the Wrist and Hand

7.9 Labeling: Hip Bone

7.10 Labeling: Femur

7.11 Labeling: Tibia and Fibula

7.12 Labeling: Bones of the Foot

Chapter 07 Case Study Assignment 1: The Skeletal System Study

Chapter 07 Summary Outline: The Skeletal System

Chapter 07 Flashcards: The Skeletal System

Chapter 07 PowerPoint: The Skeletal System

Chapter 3 Medical Terminology

Textbook Reading

Read Chapter 3 The Skeletal System

### Assignments

Check Your Understanding 3.1 Word Part Mastery

Check Your Understanding 3.1 Building Terms

Check Your Understanding 3.1 Structures and Functions

3.1 Image Labeling

Quiz: Chapter 3 The Skeletal System

Check Your Understanding 3.2 Word Part Mastery

Check Your Understanding 3.2 Building Terms

3.2 Image Labeling

Check Your Understanding 3.3 Word Part Mastery

Check Your Understanding 3.3 Building Terms

Chapter 3 Flashcards

Study

Chapter 3 Lecture Notes

Chapter 3 Memory Game

Chapter 23 Surgical Technology

Textbook Reading

Chapter 23 Read It: Orthopedic Surgery

Chapter 23 Videos: Orthopedic Surgery

Chapter 23 Procedures: Orthopedic Surgery

### Assignments

Chapter 23 Opening case Study: Orthopedic: Surgery

Chapter 23 Closing Case Study: Orthopedic Surgery

Chapter 23 Matching Exercise 02

Chapter 23 Matching Exercise 03

Chapter 23 Matching Exercise 04

Chapter 23 Short Answer Exercise

Chapter 23 Review: Orthopedic Surgery

Instrument Activity: Basic ORIF Radius Fracture Study

Chapter 23 PowerPoints: Orthopedic Surgery

Chapter 23 Flashcards: Orthopedic Surgery

Chapter 23 Questions for Further Study: Orthopedic Surgery

Chapter 23 Matching Exercise 23.01

Chapter 23 Matching Exercise 23.02

Chapter 23 Select the Correct Answer Exercise

Chapter 23 Fill in the Blank Exercise

In Class Assignments

In Class lectures

Chapter 7 Anatomy/Physiology PowerPoint

Chapter 3 Medical Terminology PowerPoint

Chapter 23 Surgical Technology PowerPoint

Quizzes

Module 1 Quiz- Requires Respondus LockDown Browser

Chapter 13 Anatomy/Physiology

Textbook Reading

Chapter 13 Read It: The Blood

### Assignments

Chapter 13 Check Your Understanding: The Blood Study

Chapter 13 Summary Outline: The Blood

Chapter 13 Flashcards: The Blood

Chapter 13 PowerPoint: The Blood

Chapter 14 Anatomy/Physiology

Textbook Reading

Chapter 14. The Cardiovascular Circulatory System

### Assignments

Chapter 14 Check Your Understanding: The Cardiovascular Circulatory System

14.1 Labeling: Heart

14.2 Labeling: Superior View of the Heart Valves

14.4 Labeling: Major Circulatory Routes

14.5 Labeling: Major Arteries of the Body

14.6 Labeling: Major Veins of the Body

Study

Chapter 14 Summary Outline: The Cardiovascular Circulatory System

Chapter 14 Flashcards: The Cardiovascular Circulatory System

Chapter 5 Medical Terminology

Textbook Reading

Read Chapter 5 The Cardiovascular System

Assignments

Check You, Understanding 5.1 Word: Part Mastery

Check You, Understanding 5.1 Building Terms

Check You, Understanding 5.1 Structures and Functions

5.1 Image labeling

5.2 Image labeling

Check You, Understanding 5.2 Word: Part Mastery

Check You, Understanding 5.2 Building Terms

Check You, Understanding 5.3 Word: Part Mastery

Check You, Understanding 5.3 Building Terms Study

Chapter 5 Flashcards

Chapter 5 Lecture Notes

Chapter 5 Memory Game

Chapter 6 Medical Terminology

Textbook Reading

Read Chapter 6 The Blood System

Assignments

Check You, Understanding 6.1 Word: Part Mastery

Check You, Understanding 6.1 Building Terms

Check You, Understanding 6.2 Word: Part Mastery

Check You, Understanding 6.2 Building Terms

Check You, Understanding 6.3 Building Terms Study

Chapter 6 Flashcards

Chapter 6 Lecture Notes

Chapter 6 Memory Game

Chapter 24 Surgical Technology

Textbook Reading

Chapter 24 Read It: Cardiothoracic Surgery

Chapter 24 Videos: Cardiothoracic Surgery

Chapter 24 Procedures: Cardiothoracic Surgery

Assignments

Chapter 24 Opening Case Study: Cardiothoracic Surgery

Chapter 24 Closing Case Study: Cardiothoracic Surgery Study

Chapter 24 PowerPoints: Cardiothoracic Surgery

Chapter 24 flashcards; cardiothoracic Surgery

Chapter 24 Questions for Further Study: Cardiothoracic Surgery

Chapter 24 Matching Exercise 24.01

Chapter 24 Matching Exercise 24.02

Chapter 25 Surgical Technology

Textbook Reading

Chapter 25 Read It: Peripheral Vascular Surgery

Chapter 25 Procedures: Peripheral vascular Surgery

Assignments

Chapter 25 Opening Case Study: Peripheral vascular Surgery

Chapter 25 Short Answer Exercise

Chapter 25 Review: Peripheral Vascular Surgery

Instrument Activity: Basic AAA

Study

Chapter 25 PowerPoints: Peripheral Vascular Surgery

Chapter 25 Flashcards: Peripheral Vascular Surgery

Chapter 25 Questions for Further Study: Peripheral Vascular Surgery

Chapter 25 Matching Exercise 25.01

In Class Assignments

Cardiothoracic/Orthopaedic Surgical Procedure Presentation

In Class lectures

Chapter 13 Anatomy/Physiology PowerPoint

Chapter 14 Anatomy/Physiology PowerPoint

Chapter 5/6 Medical Terminology PowerPoint

Chapter 24 Surgical Technology PowerPoint

Chapter 25 Surgical Technology PowerPoint

Quizzes

Module 2 Quiz• Requires Respondus LockDown Browser

Final Exam• Requires Respondus LockDown Browser

Procedure Test

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: 09/29/2026

End: 11/10/2026

Tu, Th

8:00 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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