

## TESU 1022 – Microbiology and Infection Control (2 Credits)

### Course Description

In the Microbiology and Infection Control course students will learn microbiology and the relationship to the practice of sterile technique, infection control, and aseptic principles in the operative setting.

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### Course Objectives

- Correlate infection control in relation to microbiology, the diseases they cause, and procedures used to treat infections
  - Analyze anatomy and physiology of microorganisms and the immune system
  - Summarize disinfection and decontamination practices
  - Identify biopsychosocial needs of the patient and the process of death and dying
  - Discuss the history and pioneers of microbiology
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### Course Outline

- The Lymphatic and Immune Systems
  - The Endocrine System
  - Diagnostic Procedures and Preventing Perioperative Disease
  - Final Exam
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### Textbook & Reading Materials

Cengage Unlimited Subscription

## Assignments & Assessments

### Orientation

TESU 1022 Syllabi- UPDATE

Chapter 15 Anatomy/Physiology

Textbook Reading

Chapter 15 Read It: The Lymphatic and Immune Systems

Assignments

Chapter 15 Check Your Understanding: The Lymphatic Circulatory System

15.1 Labeling: Vessels and Organs of the Lymphatic System

Study

Chapter 15 Summary Outline: The Lymphatic Circulatory System

Chapter 15 Flashcards: The Lymphatic Circulatory System

Chapter 15 PowerPoint: The Lymphatic Circulatory System

Chapter 7 Medical Terminology

Textbook Reading

Read Chapter 7 The Lymphatic and Immune Systems

Assignments

Check Your Understanding 7.1 Word Part Mastery

Check Your Understanding 7.1 Building Terms

Check Your Understanding 7.1 Structures and Functions

Check Your Understanding 7.2 Word Part Mastery

Check Your Understanding 7.2 Building Terms

Check Your Understanding 7.3 Word Part Mastery

Check Your Understanding 7.3 Building Terms

Study

Chapter 7 Flashcards

Chapter 7 Lecture Notes

Chapter 7 Memory Game

In Class Assignments

Lymphatic System Assignment

In Class lectures

Chapter 15 Lymphatic System PowerPoint

Chapter 7 Medical Terminology PowerPoint

Quizzes

TESU 1022 Module 1

Module 1 Quiz- Requires Respondus LockDown Browser

Chapter 12 Anatomy/Physiology

Textbook Reading

Chapter 12 Read It: The Endocrine System

Assignments

12.2 Labeling: Endocrine Organ

12.3 Labeling: Posterior View of the Thyroid and Parathyroid

12.5 Labeling: Pancreas

Chapter 12 Practice It: The Endocrine System

### Study

Chapter 12 Summary Outline: The Endocrine System

Chapter 12 Flashcards: The Endocrine System

Chapter 12 PowerPoint: The Endocrine System

Chapter 14 Medical Terminology

Textbook Reading

Read Chapter 14 The Endocrine System

Assignments

Check Your Understanding 14.1 Word Part Mastery

Check Your Understanding 14.1 Building Terms

14.1 Image Labeling

Check Your Understanding 14.2 Word Part Mastery

Check Your Understanding 14.2 Building Terms

Check Your Understanding 14.3 Building Terms

Check Your Understanding 14.3 Vocabulary

Study

Chapter 14 Flashcards

Chapter 14 lecture Notes

Chapter 14 Memory Game

In Class Assignments

In Class lectures

Chapter 12 Anatomy/ Physiology PowerPoint

Chapter 14 Medical Terminology PowerPoint

Quizzes

Module 2 Quiz- Requires Respondus LockDown Browser

Chapter 6 Surgical Technology

Textbook Reading

Chapter 06 Read It: Principles of Microbiology

Assignments

Chapter 06 Opening Case Study: Principles of Microbiology

Chapter 06 True or False Exercise

Study

Chapter 06 PowerPoints: Principles of Microbiology

Chapter 06 Flashcards: Principles of Microbiology

Chapter 06 Questions for Further Study: Principles of Microbiology

Chapter 06 Matching Exercise 6.01

Chapter 06 Matching Exercise 6.02

Chapter 06 Select the Correct Answer 6.03

Chapter 06 Fill in the Blank 6.04

Textbook Reading

Chapter 07 Read It: Surgical Asepsis and Sterility: Best Practices and Techniques

Chapter 07 Videos: Surgical Asepsis and Sterility: Best Practices and Techniques

Assignments

Chapter 07 Opening Case Study: Surgical Asepsis and Sterility: Best Practices and Techniques  
Chapter 07 Part II Case Study: Surgical Asepsis and Sterility: Best Practices and Techniques  
Chapter 07 Part I II Case Study: Surgical Asepsis and Sterility: Best Practices and Techniques  
Chapter 07 Part IV Case Study: Surgical Asepsis and Sterility: Best Practices and Techniques  
Chapter 07 Closing Case Study: Surgical Asepsis and Sterility: Best Practices and Techniques  
Chapter 07 True or False Exercise  
Chapter 07 Short Answer Exercise  
Chapter 07 Review: Surgical Asepsis and Sterility: Best Practices and Techniques  
Study  
Chapter 07 PowerPoints: Surgical Asepsis and Sterility: Best Practices and Techniques  
Chapter 07 Flashcards: Surgical Asepsis and Sterility: Best Practices and Techniques  
Chapter 07 Questions for Further Study: Surgical Asepsis and Sterility: Best Practices and Techniques  
Chapter 07 Matching Exercise 7 .01  
Chapter 07 Select the Co1Tect Answer 7 .02  
Chapter 07 Fill in the Blank 7.03  
Chapter 07 Fill in the Blank 7.04  
Chapter 14 Surgical Technology

Textbook Reading  
Chapter 14 Read It: Diagnostic Procedures  
Assignments  
Chapter 14 Opening Case Study: Diagnostic Procedures  
Chapter 14 Closing Case Study: Diagnostic Procedures  
Chapter 14 Ordering Exercise  
Chapter 14 Review: Diagnostic Procedures  
Study  
Chapter 14 PowerPoints: Diagnostic Procedures  
Chapter 14 Flashcards: Diagnostic Procedures  
Chapter 14 Questions for Further Study: Diagnostic Procedures  
Chapter 14 Matching Exercise 14.01  
Chapter 14 Matching Exercise 14.02  
Chapter 14 Matching Exercise 14.03  
Chapter 14 Matching Exercise 14.04  
In Class Assignments  
SSI Essay  
In Class lectures  
Chapter 6/7 Surgical Technology PowerPoint  
Chapter 14 Surgical Technology PowerPoint  
Quizzes  
Module 3 Quiz• Requires Respondus lockOown Browser  
Final Exam- Requires Respondus LockDown Browser  
1022 Jeopardy  
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: 03/03/2026

End: 03/26/2026

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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