BIOL 4381
Zoonotic Diseases

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Office Hours:

Course Information

Course Description

This course will focus on human infectious diseases caused by agents that are directly or indirectly transmissible from animal species to humans. This class will include topical zoonoses such as those caused by coronaviruses as well as classic zoonoses such as plague.

Prerequisite Skills

Accessing Internet websites, including Blackboard and Tophat, and proficiency with Microsoft Word and/or PowerPoint are all expectations of this course.

Student Learning Outcomes

Upon completion of this course, students will be able to:
- Have a general understanding of zoonotic diseases, their causative agents, reservoirs, and vectors
- Have a general understanding of how zoonoses are transmitted
- Understand how these microorganisms cause disease in hosts at a molecular level
- Recognize the important interplay between host and pathogen
- Be able to effectively communicate about zoonoses using specific terminology

Course Delivery

This is a face-to-face course with online components that students are expected to access in Tophat and <u>Blackboard</u>.[1]

Required Texts and Materials

There are no required texts for this course.

Technology Requirements

Students need to purchase access to Top Hat. Lectures and daily questions will be done through Top Hat. All lecture notes and Exams will be done through Blackboard.

We will be using **Top Hat Pro** (www.tophat.com) for class participation. You will be able to submit answers to in-class questions using Apple or Android smartphones and tablets, laptops, or through text message. You can visit the Top Hat Overview (https://success.tophat.com/s/article/Student-Getting-Started-with-Top-Hat) within the Top Hat Success Center which outlines how you will register for a Top Hat account, as well as provides a brief overview to get you up and running on the system.

You can register by simply visiting our course website: https://app.tophat.com/e/827390

Note: our course Join Code is 827390 Top Hat Pro may require a paid subscription, and a full breakdown of all subscription options available can be found here: www.tophat.com/pricing

Communication

Students can communicate with the instructor face to face during office hours or by appointment. E-mails and phone calls will be responded to in a timely manner (typically within 24 hours), but do not expect an immediate response.

Grading

Evaluation and Grades

Course grades will be determined as indicated in the table below.

Assessment	Percent of Total Grade
Exam I	100
Exam II	100
Exam III	100
Exam IV	100
TopHat Questions	100
Total	**500**

Grading System

Course grades will depend on completing course requirements and meeting the student learning outcomes.

This course uses the following grading scale:
        A = 450-500 points
        B = 400-449.99 points
        C = 350-399.99 points
        D = 300-349.99 points
        F = 0-299.99 points (Grades are not rounded up)

Assignment and Activity Descriptions

This course will have 4 exams each worth 100 points. The exams will be taken during a normal class time in person. There will be 10 quizzes in this course, each worth 10 points. Quizzes will be held on the start of class on most Fridays, except during weeks with an exam.

General Policies Related to This Course

All students are required to follow the policies and procedures presented in these documents:

- [Angelo State University Student Handbook](#)[2]
- [Angelo State University Catalog](#)[3]

Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Science and Engineering adheres to the university's [Statement of Academic Integrity](#).[4]

Accommodations for Students with Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website.[5] The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dr. Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112

Incomplete Grade Policy

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures[6] for more information.

Student Absence for Observance of Religious Holy Days

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day[7] for more information.

Title IX at Angelo State University

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault,

sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Miller, J.D. You may submit reports in the following manner:

Online: Incident Reporting Form[8]
Face to Face: Mayer Administration Building, Room 210
Phone: 325-942-2022
Email: michelle.miller@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit the Title IX website.[9]

Information About COVID-19

Please refer to ASU's COVID-19 (Coronavirus) Updates[10] web page for current information about campus guidelines and safety standards as they relate to the COVID-19 pandemic.

Modifications to the Syllabus

This syllabus, including grade evaluation and course schedule, is subject to modification on potentially short notice based on developing circumstances.

Course Schedule

Date	Topic	Quizzes/Exams
Week 1: Jan 19 & 21	Introduction and the Immune System	
Week 2: Jan 24-28	Anthrax, Bartonella, and Borrelia	Quiz 1 Jan 28
Week 3: Jan 31- Feb 4	Brucella, Campylobacter, Chlamydia	Quiz 2 Feb 4
Week 4: Feb 7-11	Ehrlichia/Anaplasma and EHEC	**Exam I Feb 11**
Week 5: Feb 14-18	Erysipeloid, Glanders, and Leptospiroses	Quiz 3 Feb 18
Week 6: Feb 21-25	Listeriosis and Mycobacterioses	Quiz 4 Feb 25
Week 7: Feb 1 – Mar 4	Plague, Coxiella	Quiz 5 Mar 4
Week 8: Mar 7-11	Rickettsioses	**Exam II Mar 9**
Week 9: Mar 21-25	Salmonelloses and Staphylococcus	
Week 10: Mar 28-Apr 1	Streptococcus, Tularemia, Vibrioses	Quiz 6 April 1
Week 11: Apr 4-8	Yersinioses and Rare bacterial zoonoses	Quiz 7 April 8
Week 12: Apr 11-15	Alphaviruses and Flaviviruses	**Exam III April 15**
Week 13: Apr 18-22	Filoviruses/Rhabdoviruses/Orthomyxovirus	Quiz 8 April 22
Week 14: Apr 25-29	Coronaviruses and Retroviruses	Quiz 9 April 29
Week 15: May 2-6	Poxyviruses and Prions	Quiz 10 May 6
Finals week	Monday May 9, 2022 10:30-12:30	**Exam IV May 9**

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[1] https://blackboard.angelo.edu/

[2] https://www.angelo.edu/current-students/student-handbook/

[3] https://www.angelo.edu/academics/catalog/

[4] https://www.angelo.edu/live/files/27603-student-handbook-2020-21#page=96

[5] https://www.angelo.edu/current-students/disability-services/

[6] https://www.angelo.edu/content/files/14197-op-1011-grading-procedures

[7] https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of

[8] https://www.angelo.edu/incident-form

[9] https://www.angelo.edu/title-ix

[10] https://www.angelo.edu/covid-19/