

disease as well as with their associated vectors. The manifestation of disease symptoms will be addressed including the molecular basis of infection. You will be introduced to the symptoms associated with each disease and you will learn how the human immune system responds to infection. You will also become acquainted with the diagnosis, treatment, and prevention of both the diseases covered in the course as well as management of the vectors that transmit the disease pathogens. You will learn the factors associated with transmission of these diseases and the important role of disease surveillance. Finally, you will be familiar with those agents that could be employed as agents of bioterrorism.

Educational outcomes: Listed at the end of syllabus

Attendance: This is a 3-week in-person

Course Grade:

The following grade scale will be used to determine the final course grade. For Biology majors, a grade of C or higher is required for this course.

Grade Scale:

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F < 60%

BIOL 5860 Students:

In addition to the unit exams and Powerpoint presentation you will also complete the assignment listed below.

1. You will complete one literature critiques on any topic concerning an infectious disease pathogen. The paper must be a primary research paper (introduction, methods, results, discussion). It can focus on any aspect of the pathogen/disease; epidemiology, genetics, immunology, drug development, etc. I will provide you with additional details in class.

Dropping the course: The last day to drop the course is July 9, 2024 @ 11:59 PM

Withdrawing from the course: The last day to withdraw from the course (you will receive a W) is 11:59 PM, July 18, 2024. If you don't officially withdraw, and instead just stop coming to class, you will receive an F for the course.

Academic conduct: Cheating and plagiarism will not be tolerated and may result in a failing grade for the assignment, exam, or the class. The Department of Biology has a plagiarism policy, which will be handed out during the first lab period.

Student identification: Students should have in their possession at all times their VSU student identification card. In order to verify the identification of students officially enrolled in the course, it is the instructor's prerogative to request official student photo identification cards at any time during lecture. During examinations, students will routinely be asked to display their VSU student identification cards visibly on the desktop and to make them available for inspection by their instructor and/or assistants.

Privacy Act (FERPA): The Family Educational Rights and Privacy Act (FERPA) prohibits the public posting of grades by social security number or in any manner personally identifiable to the individual student. No grades can be given over the telephone or over email because positive identification can't be made.

Students with disabilities: Students requiring special accommodations because of disability should discuss their needs with me as soon as possible. Those needing accommodations that are not registered with the Special Services Program must contact the Access Office for Students with Disabilities located in Farber Hall. The phone numbers are 245-2498 (voice) and 219-1348 (tty).

Summer 2024 TENTATIVE_LECTURE SCHEDULE

Date	Topic	Reading Assignments
July 9	History of Infectious Diseases Review of Immune System	EID: Chap 1 & 2 OpenStax Micro: Chap 17 & 18
July 10	Zoonoses and One Health	Bats & Human Health: Ch. 15
July 11	HIV and AIDS	EID: Ch. 16