

Syllabus

BIOL 4026 & BIOL 7331G

Course Objectives: Infectious diseases are responsible for the death of millions of people worldwide. This course is designed to provide students with a basic understanding of the current knowledge regarding main pathogenic microbes with impact on global public health. The emphasis will be on *Mycobacterium tuberculosis* (causative agent of tuberculosis), *Plasmodium falciparum* (causative agent of malaria), and human immunodeficiency virus (HIV, causative agent of acquired immunodeficiency syndrome (AIDS)). During the course, students will examine the basic biology of these pathogens in the context of their ability to produce disease, explore their global epidemiology, and identify challenges associated with implementing global infectious disease control.

Bibliography

- **Required Textbooks:** Jawetz, Melnick, & Adelberg's Medical Microbiology, Latest Edition, by Brooks, Carroll, Butel, & Morse; McGraw-Hill Publishing Company.
- **Required Additional Materials:** Topic specific research reviews and articles selected from published literature.

Grade Determination

- Grades will be determined by four exams distributed throughout the course (15% of final grade each), students' class participation (15% of final grade), attendance (5% of final grade), and students' assignments (20% of final grade). All the exams will be held only at the scheduled time—no make-up exams.

Attendance

- Attendance for the course is **mandatory** and it will represent 5% of the final grade. Be on time.

Rules for Taking The Exams

- No student can begin the exam after the first student has finished the exam and left the room.
- Cheating will result in 0 points for that exam.
- There are no make-up examinations in this course.
- Student must return the complete exam that consists of question paper, your answer paper and any additional material provided for the exam.

Student Disability Services

- In order to receive disability-related academic accommodations students must first be registered with the Center for Student Disability Services. Students who have a documented disability or suspect they may have a disability are invited to set up an appointment with the Director of the Center for Student Disability Services, Ms. Valerie Stewart-Lovell at 718-951-5538. If you have already registered with the Center for Student Disability Services please provide your instructor with the course accommodation form and discuss your specific accommodation with him/her.

University's Policy on Academic Integrity

- The faculty and administration of Brooklyn College support an environment free from cheating and plagiarism. Each student is responsible for being aware of what constitutes cheating and plagiarism and for avoiding both. An example would be to use exact words or figures from a source without attributing those words to the author or the source. The complete text of the CUNY Academic Integrity Policy and the Brooklyn College procedure for implementing that policy can be found at this site: <http://www.brooklyn.cuny.edu/bc/policies>
- If a faculty member suspects a violation of academic integrity and upon investigation, confirms that violation, or if the student admits the violation, the faculty member **MUST** report the violation.