

**General Microbiology 447:390**  
**Dr. Mai Soliman**  
**Fall 2020**

The primary learning goal of this class is to teach you the foundational terms, concepts and theories in Microbiology. It presents a broad overview of the field, and includes discussions of taxonomy, cell structure and organelles, genetics, metabolism, ecosystems, the means by which microorganisms cause disease and the means by which our immune system fights them.

Due to the COVID crisis, all Fall 2020 courses have been converted to online format. This course consists of a *lab portion* and a *lecture portion*. I am not in charge of the lab for this class. The lab is taught by Drs. Alexandra Walczak ([walczak@dls.rutgers.edu](mailto:walczak@dls.rutgers.edu)) and Haiyang Lu ([hlu@dls.rutgers.edu](mailto:hlu@dls.rutgers.edu)). Drs. Lu and Walczak will send you an email early in the semester providing you the necessary instructions for lab.

I will be teaching the Microbiology lectures using primarily “**asynchronous remote instruction**”. The lecture course will be hosted on the Rutgers Canvas learning management system (the lab will also be hosted on Canvas but using a separate Canvas page to avoid any confusion). Once logged into the Canvas lecture page, you will be able to access your textbook, recorded lectures, homework assignments, exams/quizzes and conferences. Your weekly assignments will be posted every Saturday with an updated “**Weekly agenda**”. You will have from the Saturday the material is posted until the following Saturday to complete all the assignments. Weekly assignments include listening to lecture recordings and answering associated questions and completing the weekly interactive homework assignments. Your agenda will also include all the weekly meetings for the course. These meetings include office hours which are not required but are strongly encouraged as they provide an outlet to ask questions and get more detailed answers than you would receive in an email. Office hours will always take place during the scheduled course time (Monday/Wednesday 1:40 pm – 3:00 pm).

There will be 3 lecture **exams** during the course of the semester (additional exams and assignments will be required for lab and will be communicated to you by your lab instructor). These exams are taken in Canvas using LockDown Browser. Exam are given during the normal scheduled class time (Monday/Wednesday 1:40 pm – 3:00 pm). I will be available during the exams to assist with any technical issues. The lecture portion of the course is worth 50% of your total class grade and your lab portion is worth the remaining 50% of the grade. To pass the course, it is necessary to pass both the lecture and laboratory portions

**Required Technology:** High speed internet, computer, calculator.

**Optional Technology:** webcam, microphone, printer.