MICR 200A
Introductory Microbiology I
Fall 2022
CRN 12345

Instructor:

- Conditions for growth of microbes, both in natural and laboratory settings will be examined. Students will demonstrate the ability to apply this knowledge to both identify and classify microbes. Additionally, students will learn to categorize microbes based on a variety of phenotypic and genotypic traits.
- Metabolic pathways will be described in the context of microbes, and compared to more complex systems, particularly humans. The suitability of using bacteria as a model organism for higher order eukaryotic organisms will be appraised.
- Students should be able to describe the basics of virion structure, virus replication, viral gene regulation and the difficulties of making anti-viral drugs and vaccines for example viruses such as polio, flu, HIV and phage. We will include a special section on SARS-CoV2.
- The laboratory component of the course will introduce basic microbiology techniques. By completion of the course, students will be capable of performing aseptic technique, as well as isolating, visualizing and identifying microbes.

Important dates and evaluation:

Evaluation and important dates:

Academic Integrity Quiz:
You must score 100% on this quiz before you can complete any subsequent quizzes. You can make multiple attempts.

Exit Competency Quiz: this is a short online quiz that you must complete before you will be allowed to write the final exam. It will open during the final week of class. It is not open book, and you should not study. It is just to assess the overall microbiology knowledge students have by the end of the course. These exams will not be used in any manner to assess students individually. I will use overall class data to improve my teaching methods.

Participation Quizzes:
There will be six participation quizzes, worth 0.5% each. Since these are participation quizzes, any learner getting at least one correct answer will receive the full 0.5%. Quizzes must be completed by Monday, December 06 at 4pm.

Midterms:
There are two IN PERSON midterms, each worth 11% of your final grade. They will be held on Monday, September 26 and Monday, October 24. You will require a laptop or other device capable of accessing Brightspace. ***Exams are closed book***, although they may be administered via Brightspace. You may not take or share screen captures. During the exam, you may not access any materials besides the exam.

Final Exam:
The final will be held in person, with the time and date to be determined by the Registrar. This is a closed book exam.

EVALUATION

DEPARTMENT INFORMATION AND POLICIES

1. The Department of Biochemistry and Microbiology upholds and enforces the University's policies on academic integrity. These policies are described in the current University Calendar. All students are advised to read this section.

2. Cell phones, computers, and other electronic devices must be turned off at all times during live class sessions unless being used for the purpose of connecting and engaging with the class.

3. No recordings of live lectures are permitted without permission of the instructor. However, many courses will be recorded by the instructor for accessibility for students unable to attend. If you do not wish to be recorded, contact your instructor to determine if alternative arrange (endar)0t.1 (c)-1.7 (or)0.7 (deo d)5.1 ,4 Tntss(i).831 -1[EMC nh2oo dsc(nge of B)1.3 ()-1.8 (tr7 (ur)0

8. **Deferral of a final exam** must be requested with an Academic Concession form and submitted directly to Undergraduate Records. Deferred final exams for fall term courses will be arranged by the instructor. Deferred final exams or spring term courses will be arranged through Undergraduate Records and must be written before the end of the summer term as stipulated in the University Calendar.

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