

Introduction to Microbiology, MIBO 3500E

Course and Instructor Information

- **Instructor:** Dr. Jennifer Walker
- **Email:** mibo3500online@uga.edu
- **Teaching Assistants:** Morgan Teachey, Aileen Ferraro, Jordan Russell, Bowen Meng
- **Virtual Office Hours:** Please email Dr. Walker or a TA to schedule a time to meet through Blackboard collaborate
- **Emergency Contact:** If you have an urgent need, you may call or text Dr. Walker's cell phone, 706-201-5695

Welcome to an overview of the microbial world. Microorganisms' (particularly bacteria) structure, function, diversity, and importance to man will be the focus of this course. The course will focus on applying knowledge and honing scientific reasoning skills. Case scenarios and sample problems that could occur in real life will stretch collective knowledge and encourage critical thought.

Course Syllabus

REQUIRED TEXTBOOKS AND TECHNOLOGY

Microbiology, An Evolving Science by [Joan L. Slonczewski](#) and [John W. Foster](#), Third Edition, Hardcover ISBN 978-0393919295 Students may purchase/rent whatever copy (hardbound, binder, ebook) that is affordable as long as they acquire the 3rd edition of this textbook

Technology

1) Each student must have daily access to a personal computer that has reliable Internet connection that meets the GeorgiaVIEW virtual instruction standards. To check your computer, visit <http://bit.ly/1aipyKg>. 2) Web browser (of choice) must be compatible for viewing videos, accessing assigned PDF and power point resources, etc. Students are expected to keep their browser up to date. 3) Some activities (interactive group discussions, instructor's review sessions, etc.) will utilize Blackboard Collaborate Web-conferencing software -the software is available at no cost to students. This is setup through eLC. Students will have a choice as to how they interact (text chat, audio, and/or video) while in this environment.

COURSE OUTLINE

UNIT 1: PROKARYOTES - HOW THEY LOOK AND HOW THEY FUNCTION

- Module 1, Ch. 1-3 Microbial Observation, Structure and Function

UNIT 2: BACTERIAL GENE SHARING, MUTATION AND THRIVING IN UNIQUE ENVIRONMENTS

- Module 4, Ch. 9-10 Genetic Transfer and Mutation
- Module 5, Ch. 13-15 Bacterial Catabolism, Respiration/Fermentation and Lithotrophy and Biosynthesis
- Module 6, Ch. 21 Bacterial Ecosystems

UNIT 3: VIRUSES; HUMAN IMMUNITY; MICROBIAL DISEASE AND ANTIMICROBIALS

- Module 7, Ch. 6 & 11 Viral Structure, Function and Molecular Biology
- Module 8, Ch. 23-24 Human Immunity
- Module 9, Ch. 25-27 Microbial Pathogenesis, Disease and Antimicrobial Chemotherapy

CLASS PROCEDURES

DUE DATES, FEEDBACK AND REQUEST FOR REGRADE

All due dates/times are listed in the syllabus are final. Assignments, exams or activities turned in after the due date/time **WILL NOT** be accepted and be scored as a zero. As a courtesy, all assignment/activity due dates and exam dates will be embedded in the course on eLC. All dates and times are in Eastern Daylight Savings Time (EDS)

Grades and feedback for online quizzes will be returned immediately after the due date. For group activities and exams, grades and feedback will be returned within five (5) days.

Request for a regrade of an exam, homework assignment, or activity must be submitted within **3 DAYS** (not including weekends) after grade posting wherein the ENTIRE exam, homework or activity will be regraded. To request a regrade, students must submit via email (to mibo3500online@uga.edu) the question number, their answer with **supporting evidence** that proves the answer is correct. Supporting evidence can be from the textbook or a peer-reviewed article (not a blog entry, Wikipedia or a Facebook post).

COMMUNICATION EXPECTATIONS

Students are expected to check the eLC News widget daily for course announcements - I prefer to communicate with all students using this tool, rather than mass email. **I suggest students subscribe to receive automatic email alerts when a news item is posted.** In eLC, there's a drop-down menu beneath your name: profile, notifications, and account settings preferences. You can make this adjustment under account settings.

-For personal issues/concerns, students should communicate with the instructor via the UGA email: mibo3500online@uga.edu.

in the class. For each post (question, comment, or reply to a comment), you have the option of your post showing your name, or choosing to have your post made “anonymously” under a randomly assigned board nickname. (Your assigned "anonymous" nickname will remain the same all term.)

EXAMS, QUIZZES, AND GROUP ACTIVITIES

Exams

Exams will be given via the eLC quiz tool. You will have a **set** amount of time once you open the exam to complete it - you will not be able to start/stop the exam timer. You must ensure you have a stable Internet connection before you begin the exam - if you are disconnected, you **WILL NOT** be able to re-open the exam. All exams are closed book. Access of information during exam or observing someone else taking the exam is a violation of academic honesty and will be reported. Exams must be submitted in a timely manner. If an exam is submitted past the time limit it **will not be graded** and will be counted as a 0. There are **NO MAKE-UP** exams - instead, your lowest exam grade will be omitted. Your final exam cannot count as your dropped exam

Module quizzes

Module quizzes are online quizzes that preview upcoming material of the next module that must be answered and submitted INDIVIDUALLY. These timed quizzes are based on the learning objectives outlined in the respective module. Students may take the quizzes two times. The first submission of answers will show whether or not credit was earned for the answer submitted. The second submission will be graded and recorded in the grade book with correct answers posted after the due date.

Quizzes may be taken with notes and/or textbook and may be submitted at any time on eLC up until the deadline posted.

Group activities

At the beginning of the semester, students are randomly arranged into groups. Group activities are offered throughout the semester. Students will collaborate within groups to create a consensus of answers to the group activity questions based on discussions in class. Each student will individually submit activity answers to the group discussion board, worth up to 10 points. Please see the individual answer rubric for grading guidelines in the "Welcome, Start Here" folder. Groups will discuss via discussion board to create a collective answer for each group question. To earn the other 15 points, answers will be submitted through the group activity quiz feature on eLC and be graded according to correct answers. **Failure to submit substantive individual answers to the discussion board will result in a zero (0) for the entire activity.**

Course schedule

Please see the document labeled "Course Schedule" for all assignments and due dates.

LETTER GRADE ASSIGNMENT

Module quizzes: 9 quizzes, 10 pts each = 90 pts

Group Activity: 4 activities, 25 pts each = 100 pts

Exams (Best 3 out of 4): 3 exams, 100 pts each = 300 pts

Final Exam: 150 pts

Total: 640 pts

Your final course percentage and letter grade will be calculated by this formula: $[(\text{Total points})/640] \times 100 = \text{Course percentage}$

LETTER GRADE ASSIGNMENTS WILL BE MADE ACCORDING TO YOUR COURSE PERCENTAGE ON THE FOLLOWING SCALE:

A = (4.0) = 92.45-100%

A- = (3.7) = 89.45 - 92.44%

B+ = (3.3) = 86.45 - 89.44%

B = (3.0) = 82.45 - 86.44%

B- = (2.7) = 79.45 - 82.44%

C+ = (2.3) = 76.45 - 79.44%

C = (2.0) = 72.45 - 76.44%

C- = (1.7) = 69.45 - 72.44%

D = (1.0) = 59.45 - 69.44%

F = (0.0) = 59.44% OR BELOW

This syllabus is subject to change in the case of unforeseen circumstances during the semester and should be considered a flexible document.

ACADEMIC HONESTY

As a University of Georgia student, you have agreed to abide by the University's academic honesty policy, "A Culture of Honesty," and the Student Honor Code. All academic work must meet the standards described in "A Culture of Honesty" found at: <http://www.uga.edu/honesty>. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor. As instructor, it is my responsibility to uphold the University's academic honesty policy and report my belief of dishonesty to the Office of the Vice President for Instruction so that a facilitated discussion can be initiated to resolve the matter. The link to more detailed information about academic honesty can be found at: <http://www.uga.edu/ovpi/honesty/acadhon.htm>

ACCESSIBILITY

accommodations, please contact your instructor. If you plan to request accommodations for a disability, please register with the UGA Disability Resource Center, 114 Clark Howell Hall, Athens, GA 30602. Phone: 706.542.8719 Fax: 706.542.7719 Email: dsinfo@uga.edu

NETIQUETTE ON DISCUSSION BOARDS

Please see the **Netiquette** posting under the MIBO 3500E syllabus and schedule file for a list of rules to abide by for online discussion boards.