

MCB 3020  
**Introduction to Microbiology**

Dr. Jo Marie Bacusmo  
Microbiology and Cell Science RM1048  
Office Hours information found under 'Contact Instructor' on Canvas  
Use **Canvas** for all communication.

<b>Week</b>	<b>Module</b>	<b>Topic</b>
1	1	Introduction to Microbiology
2	2a	Bacteria and Archaea Cell Structures
3	2b	Eukaryotic Cell Structures and Viruses
4	3	Microbial Nutrition, Growth, and Control
5-6	4a	Bacterial Genome Replication, Expression and Regulation
7-8	4b	Eukaryotic and Archaeal Genome Replication, Expression and Genetic Variation
9	4c	Recombinant DNA Technology and Microbial Genomics
10	5	Diversity of the Microbial World
10	6	Ecology and Symbiosis
11	7a	Pathogenicity and Host Response
12	7b	Pathogenicity and Host Response
13	8	Microbial Disease, Detection, and Control
14	9	Applied Microbiology
15		Reading Days and Final Exam

**COURSE DESCRIPTION:** (from catalogue): Structure, nutrition, and growth of microorganisms; characterization of representative microorganisms and viruses; metabolic properties and introduction to microbial genetics, immunology, and pathogenesis of microorganisms.

**COURSE OBJECTIVES:** Provide students with a foundational knowledge in microbiology and explore current areas of interest.

**TEXTBOOK:** Prescott's Microbiology by Willey, Sherwood and Woolverton, 12<sup>th</sup> Edition Connect Access by McGraw Hill Education through the All-Access program (Required).

Please note that this course will be participating in the UF All Access program.

Login to the following website and Opt-In to gain access to your required course materials  
<https://www.bsd.ufl.edu/AllAccess>

UF All Access will provide you with your required materials digitally at a reduced price and the charge will be posted to your student account. This option will be available starting 1 week prior to the start of the semester and ending 3 weeks after the first day of class.

Use the information at the end of this document as a guide to purchasing our textbook and registering for McGraw Hill Connect

### MGH Connect Guide

Connect Access provides a copy of the E-book which contains the required readings and Learn Smart Assignments for the entire course. All quizzes and exams will use the McGraw Hill Connect Access platform. Connect Access also provides tutorials, animations, and supplemental information that augment student learning. Majority of the content presented in this course will be sourced from the required textbook. You may opt to purchase the physical book for a bit extra. Trial access codes for the first few days of class are available through McGraw Hill.

### TEACHING TEAM:

Instructor: Dr. Jo Marie Bacusmo ([imbacusmo@ufl.edu](mailto:imbacusmo@ufl.edu))

Teaching assistants:

- Jeremy Kleberg ([jkleberg@ufl.edu](mailto:jkleberg@ufl.edu) )
- Caylee Beyer ([c.beyermarkovitz@ufl.edu](mailto:c.beyermarkovitz@ufl.edu) )
- Emerson Dent ([emersondent@ufl.edu](mailto:emersondent@ufl.edu) )
- Ishpreet Tung ([i.tung@ufl.edu](mailto:i.tung@ufl.edu))
- Rachel Grossman ([rachelgrossman@ufl.edu](mailto:rachelgrossman@ufl.edu) )
- Kelsey Bowen ([kelseybowen@ufl.edu](mailto:kelseybowen@ufl.edu) )
- Lyndsey Keith ([lyndsey.keith@ufl.edu](mailto:lyndsey.keith@ufl.edu) )

**WEBSITE:** The class is on E-learning (Canvas). The class syllabus, lecture presentations, announcements, and other materials will be posted on E-Learning throughout the semester. Questions about lecture material should be addressed during office hours or via Canvas messages. Details and clarifications about class policy will be posted online as announcements or emails on a regular basis. Students should check their emails and announcements on Canvas on a regular basis (once a day). Google Chrome, Firefox, and Safari are the recommended browsers for this course. Technical support will not be available if you insist on using other web browsers.

**EXAMS:** Four scheduled exams are given through Canvas using the McGrawHill Connect platform. Academic integrity is maintained through the Honorlock Test Management System. Students must abide by the Honorlock proctoring rules and regulations. Cameras must be turned ON and the student's face must be visible throughout the entire duration of the exam. The students are expected to provide their own computer/laptop and secure a testing location that meets the Honorlock standards. Exams are given during the dates stated in the syllabus. Exams are open for two (2) days and start at 12:00 am EST on Day 1. Exams are due at 11:59pm EST on Day 2, thus, the student must start their exam at 9:00 PM at the latest. Exams usually run for approximately 2 hours unless set otherwise. Exam materials come from **lectures presentations, lecture slides, and all materials presented in the course pages**. *In some cases, information presented in class may be in contradiction with information from other sources, especially internet-posted materials. In these cases, exam questions will be based only on the information available in the textbook, lecture notes, or materials presented during the lecture presentations, and exams will be graded accordingly.*

Exam Dates:

1. Exam 1 – September 18-19, 2024
2. Exam 2 – October 23-24, 2024
3. Exam 3 – November 20-21, 2024
4. Final Exam – December 9-11, 2024 (cumulative exam)

**GRADING/TESTS: The final class grade is based on weighted categories**

SmartBook Assignments – 15%

Quizzes – 15%

Virtual Lab – 5%

Discussion – 2%

Exams 1-3 – 15% each

Exam 4 – 18% (This includes all the materials covered throughout the entire course)

**Note the following information:**

- Every single effort you do in this course will count towards your final grade. Every assignment, quiz, and exam will matter.
- No extra credit will be offered at the end of the semester.
- One quiz and one SmartBook assignment will be dropped (lowest score).
- I strongly advise that you be very aware of submission deadlines. Consult the Course Summary under the Syllabus tab for ALL deadlines.

- All quizzes and exams are available for review on the Mc Graw Hill Connect website 24 hours after the due date.

**GRADING SCHEME:**

A	100%	to 92%
A-	< 92%	to 90%
B+	< 90%	to 87%
B	< 87%	to 85%
B-	< 85%	to 80%
C+	< 80%	to 77%
C	< 77%	to 75%
C-	< 75%	to 70%
D+	< 70%	to 67%
D	< 67%	to 65%
D-	< 65%	to 61%
F	< 61%	to 0%

**LATE SUBMISSION and MISSED DEADLINES:** SmartBook assignments and quizzes adhere to strict deadlines (NO extensions). Quizzes are penalized 10% for each day late for 1 week beyond the deadline. Submissions will no longer be accepted beyond 1 week and the quiz/assignment is an automatic zero. Smartbook assignments close when it is due, and the student is automatically given a zero. You must start and complete Smartbook assignments before the due date. Exams, and projects will have strict deadlines with no extensions. Please regularly check and read announcements sent out to the class.

**CANVAS AND McGraw Hill Connect GRADEBOOK**

Manual syncing of both gradebooks will be run every Friday of the week. Kindly allow 24-48 hours (about 2 days) for both gradebooks to sync. If you do not see your grade from

McGraw Hill transfer over to Canvas 24 hours after the sync, please contact Dr. Bacusmo. If you do not see your grade on McGraw Hill at all, please contact their tech support.

**ACADEMIC HONESTY:** As a result of completing the registration form at the University of Florida, I assume that every student has signed the following statement: “I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University.”

**STUDENTS WITH DISABILITIES:** Students requesting classroom accommodations should register with the Dean of Students Office. The office will provide documentation to the student, who can then bring the necessary material to the instructor when requesting accommodation. Students who take exams at the DRC must present documentation about their accommodations and register with DRC during the first two weeks of classes. Send DRC accommodation letters to [jmbacusmo@ufl.edu](mailto:jmbacusmo@ufl.edu).

**UNFORSEEN LIFE EVENTS:** For ALL matters that require special consideration, please contact U-Matter, We Care in the Office of the Dean of Students. They will verify your case and contact me with advice on how to deal with your specific situation. I would like to note that a letter or e-mail from them does not guarantee special consideration and deadline extension, it is merely a suggestion on how best to deal with your case. I will make the final decision based on their recommendation after reviewing your case.

## **HOW TO SUCCEED IN THIS CLASS:**

### **Do the work and submit on time.**

Do NOT wait for the last hour/minute to complete assignments and quizzes. Be aware that this is an online course and successful submissions also depend on internet stability and performance of the required websites (McGraw Hill Connect Access and Canvas). Technical difficulties, server overload, and connection issues often occur when assignments and quizzes are left at the last minute. You will be held responsible for this. Therefore, I suggest you submit your work early to give yourself time to deal with any unforeseen technical difficulties.

Develop a regular study habit. We cover a lot of material in this class and cramming is not the best way to go. Do note that the final exam is cumulative. This means you need

to retain information you have studied while preparing for Exams 1-3. Cramming and retention rarely go together.

**UNIVERSITY SUPPORT SERVICES:** Resources are available on campus for students having personal problems or lacking clear career and academic goals that interfere with their academic performance. These resources include:

- University Counseling Center, 301 Peabody Hall, 392-1575, personal and career counseling.
- Student Mental Health, Student Health Care Center, 392-1171, personal counseling.
- Sexual Assault Recovery Services, 392-1161.
- Student Health Care Center, 392-1161.
- Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.

**USEFUL LINKS:**

- Center for Disease Control and Prevention: CDC: <http://www.CDC.gov>
- US Food and Drug Administration: FDA: <http://www.FDA.gov>
- US Environmental Protection Agency: EPA <http://www.EPA.gov>
- Microbiology and Cell Science: MCS: <http://microcell.ufl.edu>
- College of Agriculture and Life Sciences: CALS: <http://www.ifas.ufl.edu>
- University of Florida Libraries: UF Libraries: <http://www.uflib.ufl.edu>
- University of Florida: UF: <http://www.ufl.edu>