

MICR200B  
Introductory Microbiology II  
CRN 22183  
Spring 2022  
COVID UPDATE JANUARY 05

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Territorial Acknowledgement:

We acknowledge and respect the ~~ON~~ % 3/4% peoples on whose traditional territory the university stands and the Songhees, Esquimalt and :n6 É 1 ( peoples whose historical relationships with the land continue to this day.

Class time/location: Tues, Wed, Fri, 11:30 – 12:20, classes will be delivered via Zoom (find lecture Zoom link on Brightspace) from January 10 - 21, and then in person in ECS 123. TO ATTEND ZOOM MEETINGS YOU WILL NEED TO SIGN IN WITH AN @UVIC ACCOUNT . STUDENTS WILL NOT BE ADMITTED FROM THE WAITING ROOM. All lectures will be recorded and posted (for both the online and face to face portions of the course). There will be NO required in person lecture component and all exams will be held online. NOTE: labs will still be held IN PERSON.

Office Hours and Extra H elp: I will NOT be holding face-to-face meetings in my office. I will be available online via Zoom (link on Brightspace) on Thursdays from 11:00am – 1:00pm. Outside of these times I can be reached via email.

Textbook: Brock's Biology of Microorganisms (16th Edition), M. T. Madigan, K. S. Bender, D. H. Buckley, W. M. Sattley and D. A. Stahl. 2021, Pearson Education Inc

Brightspace site: a Brightspace site will be maintained for this course. Some, but not all, lecture notes will be made available. It contains the following sections:

Participation Quizzes: six participation quizzes.

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 cell biology 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.

Midterm / Final exam material: reviews, old exams and the actual exams will be here.

From the Archives: Recorded Lectures Spring 2021: lectures from last year's course are posted here, for your interest.

Laboratory: Laboratory manuals are available through the bookstore.

Note: Laboratory start during the week of January 10th. See the schedule in the Lab manual or the Lab Brightspace page for more information. Attendance in the laboratory is mandatory, and a passing mark in the laboratory portion is required in order to obtain credit for the course. Additionally, students that have missed more than two lab sessions will not be able to complete the course and will receive a grade of "N".

Learning Objectives:

The genetics of microbes will be introduced. Students will recognize the importance that genetic processes play in both health and industry.

Interactions between microbes and the environment will be described. Students will be expected to apply their knowledge of genetics, as well as biochemical pathways (from MICR200A) to analyze how microbes not only survive in a particular environment, but how they actually shape their physical environment. Students will evaluate how environmental manipulation by microbes impacts ecosystems. This theme will be carried into humans as a microbial environment. Students will recognition both beneficial and harmful (pathogenic) interactions between human hosts and microbes. Strategies to

Tentative Class Schedule:

	topic	dates	text (subject to revision)
1)	Genetics and Molecular Biology		6, 7
2)	Scientific Method		NA
3)	Organisms and Phylogeny		14 – 17
4)	Environment		18 – 21
5)	Microbial Interactions		22
6)	Immunology		24 – 27
7)	Bacteria and Human Disease		23, 28 – 33
8)	Microbes and Industry		TBA

Grading:

A <sup>+</sup>	90 -100	B <sup>+</sup>	77 - 79	C <sup>+</sup>	65 - 69	F	< 50
A	85 - 89	B	73 - 76	C	60 - 64	N **	< 50
A <sup>-</sup>	80 - 84	B <sup>-</sup>	70 - 72	D	50 - 59		

\*\* N grades

Students who have completed the following elements will be considered to have completed the course and will be assigned a final grade:

\*\* both midterms and the final exam must be completed in order to complete the course \*\*

\*\* students must pass both the lab and lecture portion to complete the course \*\*

Failure to complete one or more of these elements will result in a grade of “N” regardless of the cumulative percentage on other elements of the course. An N is a failing grade, and it factors into a student’s GPA as 0. The maximum percentage that can accompany an N on a student’s transcript is 49

### Important dates and evaluation:

Date	EVALUATION	Notes
Note: the laboratory component of this course is worth 40% of the overall grade		
week of Friday, January 21	Participation Quiz 1, 0.5%	open from Monday to Friday via Brightspace, must be completed by 4pm on Friday. Must get at least one question correct to receive participation grade
week of Friday, January 28	Participation Quiz 2, 0.5%	open from Monday to Friday via Brightspace, must be completed by 4pm on Friday. Must get at least one question correct to receive participation grade
Friday, February 04	19% midterm 1 exam	online via Brightspace. Exams are open from 8:30am – 8:30pm. Once you start you will have 90 minutes to complete the exam.
week of Friday, February 18	Participation Quiz 3, 0.5%	open from Monday to Friday via Brightspace, must be completed by 4pm on Friday. Must get at least one question correct to receive participation grade
February 21 – 25	Reading Break	there are no classes this week!
week of Friday, March 04	Participation Quiz 4, 0.5%	open from Monday to Friday via Brightspace, must be completed by 4pm on Friday. Must get at least one question correct to receive participation grade
Friday, March 11	19% midterm 2 exam	online via Brightspace. Exams are open from 8:30am – 8:30pm. Once you start you will have 90 minutes to complete the exam.
week of Friday, March 25	Participation Quiz 5, 0.5%	open from Monday to Friday via Brightspace, must be completed by 4pm on Friday. Must get at least one question correct to receive participation grade
week of Friday, April 01	Participation Quiz 6, 0.5%	open from Monday to Friday via Brightspace, must be completed by 4pm on Friday. Must get at least one question correct to receive participation grade
TBD	19% final exam	2 hours, set by registrar . Online via Brightspace, but must complete the exam during the scheduled exam time.

x Students are responsible for ensuring that they are properly registered in the course.

## DEPARTMENT INFORMATION AND POLICIES

