

BCMB489AO1: MICROBIOME AND BIOCHEMICAL TECHNIQUES
COURSE OUTLINE SPRING 2021

INSTRUCTOR

Dr. Catherine Bachewich

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LECTURE TIME

Tues, Wed, Fri: 11:30-12:20

COURSE DESCRIPTION AND OBJECTIVES:

This course aims to examine recent advances in microbiome research and select techniques in the context of human health. Current knowledge of microbiome features and mechanisms of impact on host metabolism, immunity, neural and endocrine system functions and associated diseases will be discussed, as well as therapeutic applications within the microbiome biotechnology industry.

Specific experimental approaches with respect to theoretical background, protocol development, and applications will also be highlighted throughout the course. Students will: 1) acquire a comprehensive understanding of recent advances in microbiome research, applications, and approaches; 2) strengthen skills in data interpretation

instructor. Instructors may use Browser Lockdown Software to block access during classes and exams.

7. 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 for 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.
8. Requests for review/remark of a midterm exam must be made within one week of the exam being returned.
9. The instructor reserves the right to use plagiarism detection software or other platforms to assess the integrity of student work.
10. Supplemental exams or assignments will not be offered to students wishing to upgrade their final mark.
11. Anonymous participation in online classes is not permitted without permission of the instructor.

IMPORTANT NOTE ABOUT COVID-RELATED STRESS

The current pandemic is placing added stressors- financial, mental, and physical- on everyone. Your wellbeing is of foremost importance. If you are experiencing difficulties coping, the University has resources to help. Reach out to Counselling Services, the Centre for Academic Communication, or Learning Assistance Program for assistance.

CENTRE FOR ACCESSIBLE LEARNING

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, approach the Centre for Accessible Learning (CAL) as soon as possible in order to assess your specific needs.

<https://www.uvic.ca/services/cal/index.php>

COURSE EXPERIENCE SURVEY (CES)

We value your feedback on this course. Towards the end of term you will have the opportunity to complete a confidential course experience survey (CES) regarding your learning experience. The survey is vital to providing feedback to us regarding the course and our teaching, as well as to help the department improve the overall program for students in the future. When it is time for you to complete the survey, you will receive an email inviting you to do so. If you do not receive an email invitation, you can go directly to your [CES dashboard](#). You will need to use your UVic NetLink ID to access the survey, which can be done on your laptop, tablet or mobile device. We will remind you nearer the time but please be thinking about this important