

# BCMB 406B

# Laboratory Manual

# Summer 2019

Name: \_\_\_\_\_

Email address: \_\_\_\_\_

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## BCMB 406B Laboratory Schedule

Week	Dates
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**Lab Exams (50%):**

There will be three midterms in this course. Each midterm will be two hours in length and will only cover material from a single lab.

<b>Midterm</b>	<b>Date</b>	<b>Lab covered</b>	<b>Percent</b>
1	Thurs. July 18	Lab 1	10%
2	Tues. July. 30	Lab 2	20%
3	Thurs. Aug. 15	Lab 3	20%

**Lab Reports (20%):** Marks for the lab reports will be assigned as indicated below.

	<b>Percent</b>
Lab 1 ±Primer Design	3%
Lab 2 ±Site-Directed Mutagenesis of a CBM Protein	8%
Lab 3 ±Purification and Characterization of a Mutant CBM Protein	9%





## 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 activity.

## Course Policies

### Attendance

Laboratory attendance is compulsory. Failure to attend a lab without a written medical excuse will result in a mark of  $\mu 1 \uparrow$  L Q F R P 6 De Wuse. A change of lab section must be arranged with the lab instructor **prior** to the lab period. Students who miss a lab for medical reasons are responsible for maintaining their lab journal and for obtaining the data needed to write up the lab report.

It is important to arrive on time. Students who arrive after a pre-lab quiz has begun will not be given extra time to complete the quiz. No makeup quizzes will be given for students who arrive after a quiz is over. The instructor reserves the right to refuse late arrivals or withhold practical marks associated with that lab if a student shows up late without a legitimate reason.

### Late Assignments or Lab Reports

Late assignment or lab reports (either the hard copy or the electronic copy) will be penalized 10% per day and will not be accepted after one week (7 days) following the designated due date. Late lab reports or assignments can be emailed to the instructor on days when the

## Department Information and Policies

1. 7KH 'HSDUWPHQW RI %LRFKHPLVWU\ DQG 0LFURELRORJ\ XS 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 unless being used for a purpose relevant to the class. Students having a cell phone, tablet, or computer on their person during an exam will be assumed to have it for the purpose of cheating.
3. Any recordings of lectures may only be performed with written permission of the instructor, and are for personal use only. The instructor retains copyright to such recordings and all lecture materials provided for the class (electronic and otherwis

## **University Policy on Academic Integrity**

Suspected cases of plagiarism or cheating will be documented and submitted to the department chair for penalty assessment as described in the UVic calendar (<http://web.uvic.ca/calendar2017-05/undergrad/info/regulations/academic-integrity.html>).

### **Plagiarism**

A student commits plagiarism when he or she:

- x submits the work of another person as original work
- x gives inadequate attribution to an author or creator whose work is incorporated into the student's work, including failing to indicate clearly the inclusion of another individual's work
- x paraphrases material from a source without sufficient acknowledgement as described above

### **Falsifying Materials Subject to Academic Evaluation**

Falsifying materials subject to academic evaluation includes, but is not limited to:

- x fraudulently manipulating laboratory processes, electronic data or research data in order to achieve desired results
- x XVLQJ ZRUN SUHSDUHG E\ VRPHRQH HOVH DQG VXEPLWWI
- x

## **Safety Regulations**

16. **Bunsen burners are to remain off when not in use.**
17. **Dispose of all liquids into the designated waste containers.** No liquids are to be poured down the sink (except water).
18. **Contaminated liquid waste must be autoclaved prior to disposal.**
19. **Dispose of infectious solid waste in the yellow biohazard buckets for autoclaving.**  
7KLV LQFOXGHV SLSHWWH WLSV DJDU SODWHV FRQWDP L
20. **Report any accidents or safety concerns to an instructor immediately.**
  - x If skin comes into contact with chemicals, wash immediately with cold running water for at least 10 min.
  - x In the event of a bacterial spill, pour an equal volume of bench disinfectant on top

## Building Evacuation in Case of Fire

### **If you discover a fire:**

- x Activate the nearest fire alarm pull station.
- x Call **911** and Campus Security Services at **7599**. State your name and location.
- x Evacuate the building.

### **If you hear a fire alarm:**

- x If possible secure equipment and close windows and doors.
- x Follow the established evacuation route. Do not use elevators.
- x Meet at your designated Emergency Evacuation Site.
- x Do not re-