

BCMB 301B Laboratory Schedule Summer 2019

Week	Date	Day	Experiments Performed	Due Dates
1	July 3	Wed	Introduction Lab 1: Irreversible Inhibition	Academic Integrity Quiz Lab 2 Calculations
	July 4	Thurs	Lab 2: Extract LPS, Prepare SDS-PAGE	(complete <u>BOTH</u> on Course Spaces, by Sunday, July 7)
2	July 8	Mon	Lab 1 Discussion Lab 2: SDS-PAGE , Serum Killing	Lab 1 Report
	July 9	Tues	Lab 2: Silver Stain, Analysis of Serum Killing Plates	
	July 10	Wed	Lab 3: Invasion Assay & Trypsinization	
	July 11	Thurs	Lab 3: Count Plates Lab 4: Phage Titrating	
3	July 15	Mon	Lab 2 Discussion (DSB C130) Lab 4: Analyze Phage Titre Plates	Lab 2 Report Lab 4 Result Tables
	July 16	Tues	Lab 4: Transposition Mutagenesis	
	July 17	Wed	Lab 4: Analysis of Transposition Plates	Lab 4 Result Tables
	July 18	Thurs	Lab 3 Discussion (DSB C130) Lab 4: Replica Plating	Lab 3 Report
4	July 22	Mon	Lab 4: Isolate Lac ⁻ Mutants & Presumptive Auxotrophs	Lab 4 Result Tables
	July 23	Tues	Lab 4: Amino Acid Pool Plates, Lac ⁻ Mutants onto Differential Media	
	July 24	Wed	Exam #1 (Labs 1- 3) (DSB C118)	
	July 25	Thurs	Lab 4: Lac ⁻ Genotype & Auxotroph Phenotype	Lab 4 Result Tables

Week	Date	Day	Experiments Performed	Due Dates
5	July 29	Mon	Lab 4 Discussion (DSB C130)	Lab 4 Class Data Tables
	July 30	Tues	Lab 5: Colony PCR	Lab 5 Pre-lab Assignment (p. 4-29 to 4-34) due Wed Aug 1 st by 9:00am
	July 31	Wed	Lab 5: Analysis of PCR, Plasmid preps, Nanodrop, Restriction Digests, Prepare Agarose Gel	
	Aug 1	Thurs	Exam #2 (Lab 4) (DSB C118)	
6	Aug 5	Mon	B.C. Day – no labs	
	Aug 6	Tues	Lab 5: Agarose Gel Electrophoresis, Ligation	
	Aug 7	Wed	Lab 5: Prepare Competent Cells, Transformation	
	Aug 8	Thurs	Lab 5: Examine Transformation Plates & Controls, Colony PCR, Prepare Agarose Gel	
7	Aug 12	Mon	Lab 5: Analysis of PCR by Agarose Gel Electrophoresis	
	Aug 13	Tues		
	Aug 14	Wed		
	Aug 15	Thurs	Lab 5 Discussion (DSB C130)	Lab 5 Report
8	Aug 19	Mon.	Exam #3 (Lab 5) (DSB C130)	

Evaluation

The final mark will be based on:

Lab Summaries	13%
Lab Journal	10%
Practical Assessment	15%
Discussion Quizzes	12%
Exam #1	20%
Exam #2	15%
Exam #3	15%

Final course percentages and assignment of letter grades*:

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

*All percentages will be rounded to the nearest whole number. For example, a calculated percentage of 79.49% will be recorded as 79% whereas 79.50% will be recorded as 80%

** N grades

Students who have completed the following elements: examinations, and all in-class laboratories will be assigned a final grade. Failure to complete one or both 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.

Attendance

To get the most out of the BCMB301 experience, your attendance and punctuality for each lab is important. If you know that you will miss a lab (e.g. for a medical appointment), please arrange a change of lab section with the lab instructor **prior** to the lab period. Missing a lab or arriving late without prior arrangement or a written medical excuse may result in a loss of marks associated with the lab.

Students who miss a lab are responsible for maintaining their lab journal and for obtaining the data in order to write up the lab report. This may involve the student performing the lab once they have recovered.

Course Experience Survey (CES)

We value your feedback on this course. Towards the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience (CES). 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 <http://ces.uvic.ca>. You will need to use your UVic NetLink ID to access the survey, which can be done on your laptop, tablet or mobile device.

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 (<https://www.uvic.ca/services/cal/>) in order to assess your specific needs.

Department Information and Policies

1. The Department of Biochemistry and Microbiology upholds and enforces the University's 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 otherwise); these materials must not be shared or reposted on the Internet.
4. Course materials, such as notes, problem sheets, quizzes, examinations, example sheets, or review sheets, may not be redistributed without the explicit written permission of the instructor.
5. Students are expected to be present for the midterm and final exams. Instructors may grant deferrals for midterm examinations for illness, accident, or family affliction, and students must provide appropriate documentation 48 hours after the midterm exam. The Department of Biochemistry and Microbiology considers it a

breach of academic integrity for a student taking a deferred examination to discuss the exam with classmates. Similarly, students who reveal the contents of an examination to students taking a deferred examination are considered to be in violation of the University of Victoria policy on academic integrity (see current University Calendar). 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.

6. Multiple choice scan sheets for machine scoring (bubble sheets) are considered the authentic exam answer paper and will be retained by the department for 1 year.
7. Professors may refuse to review/remark exams not written in indelible ink. In addition, requests for review/remark of a midterm exam must be made within one week of the exam being made available.
8. Examination papers that have pages removed, or are mutilated will not be marked.
9. Professors and instructors reserve the right to use plagiarism detection software or other platforms to assess the integrity of student work.