

BCMB 301B Laboratory Schedule Spring 2015

Week	Date	Lab(s)	Day 1	Day 2	Due Dates	
1	Jan 5 – 9	Introduction Lab 1: Irreversible Inhibition	Introduction Lab 1: Irreversible Inhibition		Academic Integrity Quiz (complete by 11:59 pm on Sun, Jan.11) Day 2: Lab 2 Pre-lab Calculations	
2	Jan 12 – 16	Lab 2: Characterization & Classification of Salmonella LPS	Lab 2: Extract LPS, Serum Killing, prepare SDS-PAGE	Lab 2: SDS-PAGE, Analysis of Serum Killing Plates.	Day 1: Lab 1 Summary	
3	Jan 19 – 23	Lab 2: Characterization & Classification of Salmonella LPS	Lab 2: Western Transfer, Silver Stain	Lab 2: Western Detection		
4	Jan 26 – 30	Lab 3: Intracellular Invasion of Mammalian HEp-2 Cells by <i>E.coli</i>	Lab 3: Invasion Assay & Trypsinization	Lab 3: Count Plates, Look at Cells	Day 1: Lab 2 Summary Day 2: Lab 4 Pre-lab Assignment(p. 4-33, 4-38)	
5	Feb 2 – 6	Lab 4: Recombinant DNA Technology	Lab 4: Isolation of Genomic DNA	Lab 4: Quantify DNA, Purity Determination, PCR Study Block	Day 1: Lab 3 Summary	
6	Feb 9 – 13	Reading Break				
7	Feb 16 – 20	Lab 4: Recombinant DNA Technology	Lab 4: Analysis of PCR , Plasmid preps, Nanodrop, Restriction Digests, Prepare Agarose Gel	Lab 4: Agarose Gel Electrophoresis, Ligation Quiz		
8	Feb 23 – 27	Lab 4: Recombinant DNA Technology Lab 5: Transposon Mutagenesis	Lab 4: Prepare Competent Cells, Transformation Lab 5: Phage Titrating	Lab 5: Analyze Phage Titre Plates	Day 2: Lab 5 Result Tables	
9	Mar 2 – 6	Lab 4: Recombinant DNA Technology Lab 5: Transposon Mutagenesis	Lab 4: Examine Transformation Plates & Controls, Colony PCR, Prepare Agarose Gel Lab 5: Transposition Mutagenesis	Lab 4: Analysis of PCR by Agarose Gel Electrophoresis Lab 5: Transposition Mutagenesis Spread plates	Day 2: Lab 5 Result Tables	
10	Mar 9 – 13	Lab 5: Transposon Mutagenesis	Lab 5: Analyze Plates, Replica Plating	Lab 5: Grid Plate, Streak Lac ⁻ mutants,	Day 1: Lab 4 Summary Day 2: Lab 5 Result Tables	
11	Mar 16 – 20	Lab 5: Transposon Mutagenesis	Lab 5: Amino Acid Pool Plates, Lac ⁻ Mutants onto Differential Media	Lab 5: Interpret Plates	Day 2: Lab 5 Result Tables	
12	Mar 23 – 27		Study Block	Quiz	Day 1: Lab 5 Summary	
13	Mar.30 – Apr.3					

Written Exam – in schedules examination period

Grading & Evaluation

The final mark will be based on:

lab summaries	30%
lab journal	10%
practical assessment	10%
quizzes	15%
final exam	35%

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 is assigned if a student does not write the final examination, quizzes or does not complete all the in-lab exercises by the end of the term or session. N is a failing grade, and it factors into a student's GPA as O. The maximum percentage that can accompany an N on a student's transcript is 49.

Attendance

Laboratory attendance and punctuality is compulsory. Failure to attend a lab or to arrive on time for a lab without prior arrangement or a written medical excuse may result in the forfeit of all marks associated with the lab. A change of lab section must be arranged with the lab instructor **prior** to the lab period.

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 a 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 my teaching, as well as to help the department improve the overall program for students in the future. The survey is accessed via My Page and can be done on your laptop, tablet, or mobile device. We will remind you and provide you with more detailed information closer to the end of the semester, but please be thinking about this important activity during the course.

Department Information and Policies

1. The Department of Biochemistry and Microbiology upholds and enforces the University's policies on academic integrity.
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. 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.
5. Scan sheets for multiple choice exams (bubble sheets) will not be made available for review. Therefore, in addition to filling in answers on the scan sheet, students should also circle their answers in ink on their exam.
6. Professors may refuse to review / remark exams not written in ink. In addition, requests for review / remark of a midterm exam must be made within one week of the exam being returned. Students are expected to promptly pick up midterm exams after marking has been completed, either in class or from the instructor.
7. Examination papers that have pages removed, or are mutilated will not be marked.