

BCMB 301B Laboratory Schedule Spring 2017

Week	Date	Lab(s)	Day 1	Day 2	Due Dates
1	Jan 9 – 13	Introduction Lab 1: Irreversible Inhibition Lab 2: Characterization of Salmonella LPS	Introduction Lab 1: Irreversible Inhibition	Lab 2: Extract LPS, Prepare SDS-PAGE, Exclusion of Bile Salts	Academic Integrity Quiz (complete on Course Spaces by Sun, Jan.15th) Lab 2 Calculations (complete on Course Spaces by Sat., Jan. 14th)
2	Jan 16 – 20	Lab 2: Characterization of Salmonella LPS	Lab 2: SDS-PAGE , Serum Killing	Lab 2: Silver Stain, Analysis of Serum Killing Plates	Day 1: Lab 1 Summary
3	Jan 23 – 27	Lab 3: Intracellular Invasion of Mammalian HEp-2 Cells by <i>E.coli</i> Lab 4: Recombinant DNA Technology	Lab 3: Invasion Assay & Trypsinization	Lab 3: Count Plates Lab 4: Colony PCR	Day 1: Lab 2 Summary Lab 4 Pre-Lab: Assignment (p. 4-29 to 4-34); B01 & B02 due Fri Jan 27, B03 & B04 due Mon Jan 30
4	Jan 30 - Feb 3	Lab 4: Recombinant DNA Technology	Lab 4: Analysis of PCR , Plasmid preps, Nanodrop, Restriction Digests, Prepare Agarose Gel	Lab 4: Agarose Gel Electrophoresis, Ligation	Day 1: Lab 3 Summary
5	Feb 6 – 10	Lab 4: Recombinant DNA Technology	Lab 4: Prepare Competent Cells, Transformation	Lab 5: Analyze Phage Titre Plates	Day 2: Lab 5 Result Tables
		Lab 5: Transposon Mutagenesis	Lab 5: Phage Titrating	Study Block (B04 redistributed)	
Midterm Exam #1 on Labs 1-3: Thurs. Feb 9 at 7:00 – 9:00 pm in ECS 123					
6	Feb 13 – 17	Reading Break			
7	Feb 20 – 24	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
8	Feb 27 – Mar 3	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
9	Mar 6 - 10	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 Day 1: Lab 5 Result Tables & Discussion Questions 1 - 4
10	Mar 13 - 17		Study Block		Day 1: Lab 5 Result Tables & Discussion Questions 5 & 6
11	Mar 20- 24	Midterm Exam #2 on Labs 4 & 5: Mon. March 20 from 7:00 – 9:00 pm in DTB A120			

Evaluation

The final mark will be based on:

lab summaries	25%
lab journal	10%
practical assessment	10%
midterm exam #1	20%
midterm exam #2	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 grades

Students who have completed the following elements will be considered to have completed the course and will be assigned a final grade: midterm examinations, in-class laboratories, all assignments and lab summaries. 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.

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.