

BCMB 406B

Laboratory Manual

Spring 2022

Student Name: _____ Section: _____

Email address: _____

Instructors and Contact Information

Lab	Instructor	Email	Phone	Office
1 & 2	Erika Wall	ewall@uvic.ca	250-472-5119	Petch 194
2	Stephen Redpath	sredpath@uvic.ca	250-721-7076	Petch 179a
3	Val Kerr	valk@uvic.ca	250-472-5119	Petch 194

Each instructor is responsible for a different portion of the course as indicated above.
Please address any concerns or questions to the appropriate instructor.

We acknowledge and respect the ~~100%~~ peoples on whose traditional territory the
XQLYHUVLW\ VWDQGV DQG WKH 6RQJKHHV (VTXLPDOW DQG
relationships with the land continue to this day.

Department of Biochemistry and Microbiology
University of Victoria

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Table of Contents

Introductory Information

Schedule	i
Course Description and Learning Objectives	ii
Health Measures	iii
Brightspace, Office Hours and Student Resources	iv
Evaluation and Assessment	v-vi
Laboratory Report Guidelines and Format	vii
Course Policies, CES and Department Information/Policies	viii-ix
University Policy on Academic Integrity	x-xi

Laboratory Schedule

Week	Dates	Lab	Day 1 (5 hours)	Day 2 (2 hours)	Due Dates
1	Jan 10-14	Lab 1: Primer Design	Primer design and evaluation using web- based tools		
2	Jan 17-21		<i>lrb</i> cloning		Lab 1 Report
3	Jan 24-28	Lab 2: Site Directed Mutagenesis of CBM Proteins	Inverse PCR, agarose gels, DpnI digestion, electrocompetent cells	Electroporation	36a6cc4TJ EMC

Course Description

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		

** N grades

Students who have completed the following elements will be considered to have completed the course and will be assigned a final grade:

- x ~~Introduction~~ ~~to~~ ~~the~~ ~~course~~
- x ~~the~~
- x ~~Final~~

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 during live class sessions unless being used for the purpose of connecting and engaging with the class.
3. No recordings of live lectures are permitted without permission of the instructor. However, many courses will be recorded by the instructor for accessibility for students unable to attend. If you do not wish to be recorded, contact your instructor to determine if alternative arrangements can be made.
4. Students and instructors are expected to assess their health daily and avoid campus if they are ill.
5. 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.
6. Students are expected to be available for all exams. Instructors may grant deferrals for midterm examinations for illness, accident, or family affliction. Although students do not require documentation, students must contact their instructor and BCMB office (biocmicr@uvic.ca) with the reason for their absence within 48 hours after the midterm exam. The Department will keep a record of the absences. It is the responsibility of the student to ensure all required components are complete, and to arrange deferred exams/assignments with the instructor, which normally should occur within one week of the original exam date.
7. 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 an examination are considered to be in violation of the University of Victoria policy on academic integrity (see

