



COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/biol.html>

- Ω Please note: the College electronically stores this outline for five (5) years only.
It is **strongly recommended** you keep a copy of this outline with your academic records.
You will need this outline for any future application/s for transfer credit/s to other colleges/universities.

1. Instructor Information

(a)	Instructor:	Dr. Anna Colangeli		
(b)	Office Hours:	Monday 3:00-4:00; Wednesday/Thursday 10:30 – 12:30		
(c)	Location:	Fisher 252B		
(d)	Phone:	250-370-3388	Alternative Phone:	
(e)	Email:	colangel@camosun.bc.ca		
(f)	Website:	https://online.camosun.ca		

2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

Upon completion of this course the student will be able to:

1. Use aseptic techniques in the microbiology lab.
2. Summarize the role of microorganisms in oral health and disease processes.
3. Evaluate the role of dental hygienists in preventing the spread of infectious disease in the dental clinic.

3. Required Materials

- (a) Lab Coat to be kept in Microbiology Lab room for the duration of the course.
- (b) Lecture outlines will be posted on course D2L website.
- (c) Lab Manual available in the Book Store.
- (d) Text Book: The Pearson Custom Library for the BIOLOGICAL SCIENCES, Camosun College Bio 160 Course Readings. – available in bookstore

4. Course Content and Schedule

Lecture:	Wednesday:	4:00 – 4:50	Fisher 214
Laboratory:	Monday:	X01A: 9:30 – 11:20 X01B: 12:30 – 14:20	Fisher 222 Fisher 222

**Biology 160: Microbiology for Dental Hygiene
SCHEDULE - FALL 2016**

Week	Dates	LAB EXERCISE	LECTURE TOPIC
		Monday	Wednesday
1	Sept 7	Labour Day, No class	Introduction to Biology 160 Lec. 1: Introduction to Microbiology
2	Sept 12/14	Introduction to Microbiology Lab LAB 1: Transfer and Isolation Techniques	Lec. 1: continued Lec. 2: Bacterial Cell Structure and Function
3	Sept 19/21	LAB 2a: Bacterial Stains	Lec. 2: Bacterial Cell Structure and Function
4	Sept 26/28	LAB 2b: Microscopy	Lec. 3: Microbial Growth
5	Oct 3/5	LAB 3: Controlling Microbial Growth by Physical Means	Lec. 3: Microbial Growth
6	Oct 12	Thanksgiving Day	Lec. 4: Epidemiology
7	Oct 17/19	LAB 4: Controlling Microbial Growth by Chemical Means	Lec. 5: Pathogenicity
8	Oct 24/26	LAB 5: Bacterial Metabolism	Lec 5: continued Exam Review
9	Oct 31 Nov 2	Lab Quiz #1 – 15% (Labs 1-4)	Midterm Exam - 15% (Lec 1-5)
10	Nov 7/9	LAB 6: Fermentation and Respiration	Lec. 6: Viruses
11	Nov 14/16	LAB 7: ELISA for Tracking Hepatitis B Outbreak	Lec. 7: Immune System
12	Nov 21/23	LAB 8: Caries Susceptibility	Lec. 7: Immune System - continued
13	Nov 28/30	LAB 9: Oral Protozoa and Yeast	Lec. 8: Oral Flora and Plaque Formation
14	Dec 5/7	Lab Quiz #2 - 15% (Labs 5-9)	Lec 8: Oral Flora and Plaque Formation - continued

Important Dates:

September 20: Fee deadline
October 10: Thanksgiving Day
October 11: Foundation Bursary Deadline
November 8: Withdraw Deadline – last day to withdraw or change to audit
November 11: Remembrance Day
December 10: Last day of classes
December 12-20: Final Exam period

5. Basis of Student Assessment (Weighting)

Lecture Midterm	15%	- Nov 2
Lecture Final	35%	- to be scheduled during final exam period
Assignments (Lec and Lab)	15%	
Prelab Quizzes	5%	
Lab Quiz #1	15%	- Oct. 31
Lab Quiz #2	15%	- Dec. 5

A course schedule is provided to allow you to prepare for your labs in advance. The schedule and exam dates are subject to change as need arises. Since this is a lab-based course, attendance in the lab is **mandatory**. Students who miss labs without a valid medical excuse may be required to repeat the course. *Students who miss more than 2 hours of lab without a valid medical excuse will not be allowed to use any of the assignments for the missed labs for marks.*

Although labs are performed with a partner, all written material to be handed in for grading is to be presented individually. Plagiarism, including the copying of any part of assignments, laboratory reports, quizzes or exams is a serious offense and is considered to be an academic misconduct.

The final lecture exam will be comprehensive; however emphasis will be placed on previously untested material.

Students are expected to write all tests and exams when scheduled. It is the student's responsibility to notify the instructor *in advance* if an exam must be missed. The student will be required to provide verification of emergency circumstance (i.e. note from Doctor) in order to write a make-up exam. Please do not schedule vacations during final exam period.

6. Grading System

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. (For these courses a final grade will be assigned to either the 3 rd course attempt or at the point of course completion.)
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services, or the College web site at camosun.ca.

STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services, and the College web site in the Policy Section.