

**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Department**

***Biology 160 Microbiology for Dental Hygiene***  
***Fall 2004***

**COURSE OUTLINE**

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**1. Instructor Information**

- (a) Instructor: Linda Scotten
- (b) Office hours: TBA
- (c) Location: Fisher 342A
- (d) Phone: 370-3482
- (e) E-mail: lscotten@camosun.bc.ca

**2. Intended Learning Outcomes**

Upon completion of this course, you 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 your role as dental hygienists in preventing the spread of infectious disease in the dental clinic

**3. Required Materials**

- (a) Texts: Lab manual and Anthology Text for Biology 160
- (b) Other: Lab Coat (may be supplied by Biology Dept.)

#### 4. Course Content and Schedule

## Biology 160: Microbiology for Dental Hygiene

### SCHEDULE - FALL 2004

Week	LECTURE TOPIC	Text pages	LAB EXERCISE
1	Labour Day		Lab Safety LAB 1: Microscopy
2	History and Relevance of Microbiology	1-7	LAB 2: Isolation Techniques
3	Structure and Function	8-30	LAB 3: Bacterial Stains
4	Structure and Function - continued	8-30	LAB 4: Controlling Microbial Growth by Heat
5	Control of Microbial Growth	31-51	LAB 5: Controlling Microbial Growth by Chemical Means
6	Thanksgiving		LAB 6: Controlling Microbial Growth by Physical Means
7	Bacterial Metabolism	52-63	<b>Lab Quiz #1 – 15%</b> <b>(Labs 1,2,3,4,5)</b>
8	<b>Midterm Exam – 20%</b>		LAB 7: Bacterial Metabolism
9	Host/Parasite Interactions	64-78	LAB 8: Fermentation and Respiration
10	Host/Parasite Interactions – continued	79-92	Remembrance Day
11	Oral Flora and Plaque Formation	93-100	LAB 10: Caries Susceptibility
12	Oral Flora - continued	93-100	LAB 9: A Simulated Epidemic
13	Infection Control	114-120	LAB 11: Oral Protozoa and Yeast
14	Viruses	101-113	<b>Lab Quiz #2 - 25%</b> <b>(Labs 6,7,8,9,10,11)</b>

## 5. Basis of Student Assessment

LECTURE: 50% of course mark

Midterm 20%-Oct. 25

Final 30%-to be scheduled during final exam week

LAB: 50% of course mark

Assignments, Prelab Quizzes 10%

Lab Quiz #1 15%-Oct. 21

Lab Quiz #2 25%-Dec 9

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

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 be docked 1% of their course mark per lab hour missed.*

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 or quizzes is a serious offense and is considered to be an academic misconduct.

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.

## 6. Grading System

The following percentage conversion to letter grade will be used:

A+ = 95 - 100%

A = 90 - 94%

A- = 85 - 89%

B+ = 80 - 84%

B = 75 - 79%

B- = 70 - 74%

C+ = 65 - 69%

C = 60 - 64%

D = 50 - 59%

F = 0.0 - 49%

## 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, Registrar's Office or the College web site at <http://www.camosun.bc.ca>

### ACADEMIC CONDUCT POLICY

There is an Academic Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.

[www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html](http://www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html)