

**CAMOSUN COLLEGE**  
**Department of Biology**  
**Biology 203: Introductory Microbiology 2**  
**Course Information- Winter 2003**

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## Course Materials:

**Reference Text:** Optional; Strongly Recommended

Prescott, L.M. 2002 *Microbiology*. 5<sup>th</sup> Edition McGraw -Hill

## Laboratory Manual: Required

Baugh, C. E., 2002- 03 *Biology 202/203 Laboratory Manual*. Camosun College, Victoria BC

**Laboratory Coat:** Required

Disposable, water repellent lab coat for use in the microbiology lab only.

## Lecture Outlines: Required

Download from my web page. Hyperlink to Biol. 203; click on the lecture topic.

Hard copies are on reserve in the Biol. 203 file in the library.

## Course Evaluation:

**Lecture Component**                      **70% of the course mark**

Quiz 1                      5%      Date: February 7; all sections

Material Covered: TBA

Quiz 2                      5%      Date: March 28; all sections

Material Covered: TBA

Midterm Exam      25%      Date: February 28; all sections

Material Covered: Lecture material from the beginning of week 1 through to the end of week 7

Final Exam	35%	Date: To be scheduled during the final exam period.
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**Material Covered:** The final exam will be comprehensive, however emphasis will be placed on material presented after the midterm exam.

**Laboratory Component      30% of the course mark**

Lab Exams & Quizzes	19%
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Lab Exam 1      5%      Date: February 12; all sections

Material Covered: Labs 12, 13, and 14

Lab Exam 2    10%    Date: April 9; all sections

**Material Covered:** Labs 15, 16, 17, 18, 19 and 20

Pre-Lab Quizzes 4%

Lab Reports 11%

Lab 14 = 4%; Lab 16 = 5%; Lab 18 = 2%

## **Grading System:**

The Division of Arts and Science has adopted the following letter grade and percentage scale:

A <sup>+</sup> = 95 - 100%	B <sup>+</sup> = 80 - 84%	C <sup>+</sup> = 65 - 69%	D = 50 - 59%
A = 90 - 94%	B = 75 - 79%	C = 60 - 64%	F = 0 - 49%
A <sup>-</sup> = 85 - 89%	B <sup>-</sup> = 70 - 74%		

## **Exam Return Policy:**

Term lecture and lab exams will be returned and taken up with the class. The exams will then be collected by the instructor and retained for a period of one year. Students are welcome to review these exams in the instructor's office during regular office hours.

## **Laboratory Attendance:**

As this is a laboratory-based course, attendance in the lab is mandatory. For attendance purposes, labs have been assigned a value of 1% per lab hour. Students who miss three lab hours or less will not be penalized. However, students who miss more than three hours of lab during the semester will be docked 1% of their course mark per lab hour missed beyond the allowable three hours.

## **Laboratory Reports:**

Formal lab reports will be handed in one week following the completion of that exercise. It is expected that all lab reports will be handed in on time. Late reports will be accepted, but will be assessed a penalty of 15% of their letter grade value per day late. Reports, which have not been handed in by the end of the lab period on the day that the report is due, will be considered one day late. Additional late penalties will accumulate at 4:30 p.m. on each following day.

## **Plagiarism:**

All written material, including lab data, is to be presented individually. Should two very similar reports be received, the mark will be either be divided between the students, or both students will forfeit their mark for that report. Plagiarism, including the copying of any part of assignments, laboratory reports and essays is a serious offense and is considered to be an academic misconduct.

## **Cheating:**

A student caught cheating on an exam will forfeit that exam and perhaps the course. Cheating is a serious offense and is considered to be an academic misconduct.

## **Missed Exams:**

All in class exams and the final exam must be written at the scheduled time. Only in emergency circumstances, illness or family crisis, may a student write an exam before or after the scheduled time. It is the student's responsibility to ensure that the instructor is notified if an exam must be missed. Such notification must occur in advance if possible or, at the latest, the day of the exam. The student will be required to provide verification of the emergency circumstance (i.e. medical certificate) in order to write a make-up exam.

**\* HOLIDAYS OR SCHEDULED FLIGHTS ARE NOT CONSIDERED TO BE EMERGENCIES \***

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**Course Schedule - Winter 2003**

This is a tentative outline of the weekly activities of the class. It is subject to modification as the need arises.

<b>Week</b>	<b>Date</b>	<b>Lecture Topic</b>	<b>Text Chapter</b>	<b>Laboratory Exercise</b>
1	Jan. 6 – 10	Prokaryotic DNA Replication and Gene Expression	11, 12	Media Preparation
2	Jan. 13 – 17	Prokaryotic DNA Replication and Gene Expression	11, 12	Rapid ID Methods Lab 12
3	Jan. 20 – 24	Microbial Genetics: Mutation; Recombination	11, 13	Lab 13
4	Jan. 27 - 31	Microbial Genetics: Mechanisms of DNA Acquisition	13	Lab 14
5	Feb. 3 – 7  <b>Feb. 7</b>	Microbial Genetics: Mechanisms of DNA Acquisition  <b>Quiz # 1</b>	13	Lab 14*
6	Feb. 10 – 14  <b>Feb. 13 – 14</b>	Microbial Genetics: Recombinant DNA Technology  <b>Reading Break</b>	14	<b>Lab Exam # 1</b> <b>Wed. Feb. 12</b> <b>No Lab Friday</b>
7	Feb. 17 – 21	Microbial Genetics: Genomics	15	Lab 15
8	Feb. 24 – 28  <b>Feb. 28</b>	Immunology: Specific/ Adaptive Immunity  <b>Midterm Exam</b>	32	Lab 16*
9	Mar. 3 – 7	Immunology: Specific/ Adaptive Immunity	32	Lab 17
10	Mar. 10 – 14  <b>Mar. 10</b>	Immunology: Nonspecific/ Innate Immunity  <b>Last Day to Withdraw</b>	31	Lab 18*
11	Mar. 17 – 21	Immunology: Nonspecific/ Innate Immunity Pathogenicity of Microorganisms	31 34	Lab 19
12	Mar. 24 - 28  <b>Mar. 28</b>	Pathogenicity of Microorganisms  <b>Quiz # 2</b>	34	Lab 20
13	Mar. 31 - Apr. 4	Pathogenicity of Microorganisms Epidemiology	34 37	Catch Up & Review
14	Apr. 7 – 11	Epidemiology	37	<b>Lab Exam # 2</b> <b>Wed. Apr. 9</b>

\* Lab Report Required