

**CAMOSUN COLLEGE  
BIOLOGY 126  
Physiological Basis of Life  
WINTER 2004**

**Instructor:** Anna M. Colangeli, BSc, MSc, PhD  
**Office:** Fisher 340D  
**Office phone:** 370-3459 answering machine  
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**Office hours:** posted on office door  
**Open Door Policy**

<b>Schedule:</b>	<b>Lecture:</b>	<b>F-238</b>	<b>Sec. 01</b>	<b>M, W, Th.</b>	<b>1:30 - 2:20 pm</b>
			<b>Sec. 02</b>	<b>M, Th, F.</b>	<b>10:30 - 11:20 am</b>
	<b>Laboratory:</b>	<b>F-244</b>	<b>Sec. 01A</b>	<b>Tues.</b>	<b>9:30 - 12:20</b>
		<b>F-244</b>	<b>Sec. 01B</b>	<b>Tues.</b>	<b>2:30 - 5:20</b>
		<b>F-226</b>	<b>Sec. 02A</b>	<b>Wed.</b>	<b>9:30 - 12:20</b>
		<b>F-226</b>	<b>Sec. 02B</b>	<b>Wed.</b>	<b>2:30 - 5:20</b>

**Weekly Schedule** 3 hours of lecture and 3 hours of lab. The student should expect to spend **an additional 6 hours per week** outside of scheduled class time for completion of assignments and for general studying.

**Text:** Campbell, Neil A. and Jane B. Reece 2002. **BIOLOGY, 6<sup>th</sup> edition.** Benjamin/Cummings Publishing Company, Inc. Redwood City, California.

**Lab. Manual:** Biology 126. **Laboratory Manual** Camosun College

**Evaluation:**

<b>Lecture Midterm:</b>	<b>15%</b>	<b>February 23, 2004</b>
<b>Laboratory Midterm:</b>	<b>12.5%</b>	<b>February 17/18, 2004</b>
<b>Lecture Final Exam:</b>	<b>35%</b>	During Scheduled exam period (Apr. 9-21)
<b>Laboratory Final:</b>	<b>12.5%</b>	<b>April 6/7, 2004</b>
<b>Quizzes:</b>	<b>5%</b>	
<b>Reports/Assignments:</b>	<b>20%</b>	

**Letter Grades:** Camosun College is on a nine-point letter grade system. The approximate percentages for each letter grade are as follows:

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	<50%				

**Lab attendance is mandatory. A 3% lab grade penalty will be imposed for unexcused lab absences.** If you are unable to attend your regularly scheduled lab due to illness or other extenuating circumstance, contact the instructor. Unless the instructor has been notified, failure to attend a lab will result in an automatic zero for all assignments completed during that lab.

**The midterms and finals must be written at the scheduled times.** In case of illness or other extenuating circumstance, the instructor must be notified **prior to the time the exam is written.** In order to write a make-up midterm or final a note from your physician will be required and will be verified by the Department. [N.B. The final may not be written in advance of the scheduled time.]

**Important Dates:**

January 5	First day of classes
February 12-13	Reading break
March 8	Last day to withdraw
April 8	Last day of classes
April 9 and 12	College closed; Good Friday, Easter Monday
April 13 -21	Final Exams

**General Department Policies:**

1. Students are responsible for contacting their instructors if they are absent from exams or do not hand in an assignment on time. The instructor must be notified **prior to the time the exam is to be written or the assignment is due.** A note from your physician will be required to write a make-up midterm or final. All notes will be verified.
2. All assignments are due at the beginning of class on the due date. **15% per day** will be deducted from all late assignments. Weekends count as **2 days.**
3. Plagiarism is **not** accepted. All lab write-ups other than group reports, even those based upon data common to a lab group **should be presented individually.** Should two very similar assignments, labs or reports be turned in, - the original mark will be divided accordingly.
4. Cheating on quizzes and exams is not tolerated. Any incidents will be documented and may result in the student being asked to forfeit the exam and perhaps the course.
5. For safety reasons, there is **no eating or drinking in the lab rooms.**

## COURSE SCHEDULE - BIOLOGY 126

Winter 2004

The schedule, which follows, is an attempt to outline the weekly activities of the class. It is subject to change or modification as the need arises.

Week	Date	Topics/exams	Chapter	Labs/exams
1	Jan. 5-9	<b>Introduction to Study of Life Macromolecules: (Review)</b>	1 5	Laboratory Techniques
2	Jan. 12-16	<b>Biological Membranes</b>	8	Lab. 1 Molecules of Life
3	Jan. 19-23	<b>Cellular Respiration</b>	9	Lab. 2 Movement of Molecules
4	Jan. 26-30	<b>Photosynthesis</b>	10	Lab. 3 Cellular Respiration
5	Feb. 2-6	<b>The Molecular Gene</b>	16	Lab. 4 Photosynthesis
6	Feb. 9-11	<b>Protein Synthesis Reading Break</b>	17	Lab completion / Review
7	Feb. 16-20	<b>Protein Synthesis</b>	17	<b>Lab. Exam I</b>
8	Feb. 23-27	<b><u>Lecture Midterm</u> The Cell Cycle</b>	12	Lab. 5 The Chromosome
9	Mar. 1-5	<b>Meiosis and Sexual Life Cycles</b>	13	Lab. 6: restriction digest Lab. 7: one gene- one enzyme
10	Mar. 8-12	<b>Chromosomal Heredity</b>	15	Lab. 6: restriction digest Lab. 7: one gene- one enzyme
11	Mar. 15-19	<b>Plant responses to internal and external signals</b>	39	Lab. 8: Plant Growth hormones
12	Mar. 22-26	<b>Developmental Controls - Animals Endocrine System</b>	45	Lab. 9: Animal control systems
13	Mar 30- Apr. 2	<b>Nervous System</b>	48	Lab completion / review
14	Apr. 5-8	<b>Sensory and Motor Mechanisms</b>	49	<b>Lab. Exam II</b>