

<b>CAMOSUN COLLEGE</b> <b>BIOLOGY 226 Section 02</b> <b>Plant and Animal Physiology</b> <b>FALL 2002</b>
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**Instructor:** Dr. Anna Colangeli  
**Office:** Fisher 340D  
**Office phone:** 370-3459  
**E-mail:** through WebCT  
**Web site:** <http://deserv1.camosun.bc.ca:8950/webct/public/home.pl>  
**Office hours:** posted on office door  
 Other hours by appointment

<b>Lecture:</b>	<b>Mon,</b>	<b>2:30-3:20</b>	<b>F-334</b>
	<b>Wed., Fri.</b>	<b>2:30-3:20</b>	<b>F-200</b>
<b>Laboratory:</b>	<b>Tuesday</b>	<b>2:30-5:20</b>	<b>F-224</b>

**Weekly Schedule** 3 hours of lecture and 3 hours of lab (alternate weeks). The student should expect to spend an additional **4-6** 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, 6th edition.** Benjamin/Cummings Publishing Company, Inc., California.

**Lab. Manual:** Camosun College Biology Faculty. 2002. **Biology 226 (Plant and Animal Physiology),** Camosun College, Victoria, B.C.

**Additional Study Aids:** (also available, but Optional are:)  
 Taylor, Martha R. 2002. **STUDENT STUDY GUIDE FOR CAMPBELL'S BIOLOGY, 6TH EDITION.** Benjamin/Cummings Publishing Company, Inc., California.

### Evaluation:

<b>Lecture Midterm:</b>	<b>20%</b>	<b>(October 28<sup>th</sup>)</b>
<b>Lecture Final:</b>	<b>35%</b>	<b>(during scheduled exam period)</b>
<b>Lecture Assignments</b>	<b>15%</b>	<b>(reports, worksheets)</b>
<b>Lab Exam:</b>	<b>15%</b>	<b>(December 3<sup>rd</sup>)</b>
<b>Lab Assignments</b>	<b>15%</b>	<b>(worksheets, quizzes, reports)</b>

**Make-up labs are NOT offered.** If you are unable to attend your regularly scheduled lab due to illness or other extenuating circumstance, contact the instructor who will attempt to make other arrangements, if possible. Lab attendance is compulsory. 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.]

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

**Important Dates:**

September 3: first day of classes  
 September 17: tuition fees due  
 October 14: Thanksgiving Day - College closed  
 November 5: Last day to withdraw without academic penalty  
 November 11: Remembrance Day - College closed  
 December 6: Last day of classes  
 December 9-17: Final examination period

**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 226**  
**Fall 2002**

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	Sept. 3-6	<b>Introduction to Study of Life</b> <b>Macromolecules: structure and function</b>	1 5	Introduction to Study of Life • Both lab groups
2	Sept. 9-13	<b>Membrane Structure and Function</b>	8	Lab 1: molecules of Life
3	Sept. 16-20	<b>Cellular Respiration</b>	9	Lab 1: molecules of Life
4	Sept. 23-27	<b>Photosynthesis</b>	10	Lab 2a: photosynthesis Lab 2b: respiration
5	Sept. 30 - Oct. 4	<b>Molecular Basis of Inheritance</b>	16	Lab 2a: photosynthesis Lab 2b: respiration
6	Oct. 7-11	<b>From gene to protein</b> • Transcription and translation	17	Lab 3: DNA restriction Lab Lab 4: Genetics of Eye Pigments
7	Oct. 14-18	• Transcription and translation - continued	17	Lab 3: DNA restriction Lab Lab 4: Genetics of Eye Pigments
8	Oct. 21-25	<b>The Cell Cycle</b>	12	Lab 3 and 4: continued
9	Oct. 28 - Nov. 1	<b>LECTURE MIDTERM</b> <b>Meiosis and Sexual Lifecycles</b>	13	Lab 3 and 4: continued
10	Nov. 4 - 8	<b>Genetics</b>	14	Lab 5: control systems in plants
11	Nov. 12-15	<b>Plant responses to internal and external signals</b>	39	Lab 5: control systems in plants
12	Nov. 18 - 22	<b>Chemical signals in animals</b>  <b>Endocrine system</b>	45	Lab 6: control systems in animals • both lab groups in the computer lab
13	Nov. 25-29	<b>Nervous system</b>	48	Lab. Completion and review • both groups
14	Dec. 2-6	<b>Sensory and Motor Mechanisms</b>	49	Lab. exam

Lecture Midterm:           20%  
Lecture Final:             35%  
Lecture Assignments:    15%  
(Reports, worksheets)

Lab Exam:                   15%  
Lab Assignments:         15%  
(worksheets, quizzes, reports)