

	<p><b>School of Arts &amp; Science</b>  <b>BIOLOGY DEPARTMENT</b></p> <p><b>BIOL 080-02</b>  <b>Inquiry into Life</b>  <b>2006F</b></p>
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## COURSE OUTLINE

The Approved Course Description is available on the web @ \_\_\_\_\_

Ω Please note: this outline will be electronically stored for five (5) years only.  
It is strongly recommended students keep this outline for your records.

### 1. Instructor Information

(a)	Instructor:	Martina Mussi, David Raju	
(b)	Office Hours:	Monday 10:00-11:30 am Tuesday 5:30-6:20 pm Wednesday 12:30-2:00 pm Thursday 11:30-12:30 / 3:30-4:30 pm by appointment	
(c)	Location:	E 304	
(d)	Phone:	370-3984	Alternative Phone:
(e)	Email:	<a href="mailto:MussiM@camosun.bc.ca">MussiM@camosun.bc.ca</a> , <a href="mailto:raju@camosun.bc.ca">raju@camosun.bc.ca</a>	
(f)	Website:	<a href="http://www.mussi.disted.camosun.bc.ca">http://www.mussi.disted.camosun.bc.ca</a>	

### 2. Intended Learning Outcomes

*(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)*

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

1. Describe cellular structure and explain cellular processes such as respiration and protein synthesis.
2. Discuss cancer and genetic engineering in the context of cellular processes.
3. Describe the structure and function of the human digestive system, cardiovascular system, respiratory system, nervous system, urinary system, and reproductive system.

***This course provides Grade 12 biology equivalency.***

**2A. Special Note:** Mathematics 10 is recommended as preparation to BIOL 080.

### 3. Required Materials

(a)	Texts	1) Eldon D. Enger, Frederick C. Ross. David B. Bailey Concepts in Biology (11 <sup>th</sup> edition) ed. McGraw-Hill. 2) BIO 080 Lab Manual
(b)	Other	

#### 4. Course Content and Schedule

(Can include: class hours, lab hours, out of class requirements and/or dates for quizzes, exams, lectures, labs, seminars, practicums, etc.)

Week	Dates	Lecture Topics	Lab Activities
1	Sept 4 Sept 5	<b>LABOUR DAY</b> Introduction Basic chemistry	<b>COLLEGE CLOSED</b> <u>NO LAB</u>
2	Sept 12	Organic chemistry	<b>LAB 1:</b> Lab Safety; Metric Measurements
3	Sept 19	Cell structure and function	<b>LAB 2:</b> Organic macromolecules
4	Sept 26	Enzymes	<b>LAB 4:</b> Microscopy and cell structure
5	Oct 3	Biochemical pathways	<b>LAB 5:</b> Diffusion and Osmosis
6	Oct 9 Oct 10	DNA and RNA	<u>NO LAB</u>
7	Oct 17	Mitosis and Meiosis	<b>LAB EXAM 1</b>
8	Oct 24	<b>MIDTERM</b> Cardiovascular system	<b>LAB 6:</b> Enzymes
9	Oct 31	Respiratory system	<b>LAB 7:</b> Cardiovascular fitness
10	Nov 7	Digestive system	<b>LAB 10:</b> Nutrition
11	Nov 14	Excretory system	<u>NO LAB</u>
12	Nov 21	Nervous system	<b>LAB 8:</b> Human Organ systems
13	Nov 28	Sensory systems	<b>LAB 9:</b> Human Organ systems
14	Dec 5	Reproductive system	<b>FINAL LAB EXAM</b>
	TBA	<b>FINAL EXAM</b>	

#### 5. Basis of Student Assessment (Weighting)

(Should be linked directly to learning outcomes.)

(a)	Assignments	15%
(b)	Quizzes	
(c)	Exams	Midterm I                    25% Lab Exam I                 15% Lab Exam II                15% Final Exam                 30%
(d)	Other (eg, Attendance, Project, Group Work)	

#### 6. Grading System

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)

## Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
95-100	A+		9
90-94	A		8
85-89	A-		7
80-84	B+		6
75-79	B		5
70-74	B-		4
65-69	C+		3
60-64	C		2
50-59	D		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 at [camosun.ca](http://camosun.ca) or 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 are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
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.

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](http://camosun.ca) for information on conversion to final grades, and for additional information on student record and transcript notations.

## 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](http://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 on the College web site in the Policy Section.

English 10 or assessment. *Math 10 recommended*

### **STUDENT RESPONSIBILITIES**

1. Students are expected to hand in any required reports on time.
2. Late assignments will receive a penalty of **10%** per day.
3. Attendance is important to ensure success. If unable to attend a session, the student is responsible for arranging with a classmate to obtain information such as notes, handouts and announcements.
4. Examinations must be written as scheduled. Exceptions may be made for emergencies at the discretion of the instructor and only if documentation of the illness or emergency acceptable to the department is received. The student must notify the instructor **in advance** of the examination.
5. If a student is unable to take the final laboratory examination and provides acceptable documentation, an oral laboratory examination may be given.
6. Students are expected to work independently on reports unless instructed that the evaluation is based on group effort and evaluation.
7. Students must turn off cell phones and pagers during lectures and laboratory sessions.
8. All laboratories start punctually. Information necessary for performing the laboratory correctly and safely is given at the beginning of the lab.

### **ACADEMIC MISCONDUCT**

*Academic misconduct includes but is not limited to the following acts:*

1. Giving or receiving unauthorized information to or from another student during any examination or test.
2. Obtaining or providing, without authorization, questions or answers relating to any examination or test prior to the time of the examination or test.
3. Using unauthorized sources of information during any examination or test.
4. Asking or arranging for another person to take any examination or test in one's place.
5. Plagiarizing, that is, appropriating the work of another or parts or passages of another's writing, or the ideas or language of the same, and passing them off as the product of one's own mind or manual skill.

According to Camosun College policy, the consequence for academic misconduct is an 'F' grade for the work involved or for the course as a whole.

### **IMPORTANT NOTE!**

If the Midterm Lecture Exam is missed, a make-up Lecture Exam will be scheduled during week 13. ***This exam will cover all topics up to and including week 12.***

***Vacation plans and scheduled flights do not constitute an emergency.***