



**School of Arts & Science
BIOLOGY DEPARTMENT**

BIOL 080 - 003A and 003B

Enquiry into Life

2009 Fall

COURSE OUTLINE

The Approved Course Description is available on the web @ D2L Biology 100

*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:	Geoffrey Haywood, Ph.D.		
(b)	Office Hours:	11.30 AM – 12.20 PM Wednesdays		
(c)	Location:	F314D		
(d)	Phone:	370-3516	Alternative Phone:	
(e)	Email:	haywoodg@camosun.bc.ca		
(f)	Website:	D2L		

2. Intended Learning Outcomes

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.

3. Required Materials

(a) Textbook: Essentials of the Living World by Johnson & Losos 2nd Ed., McGraw Hill

(b) Lab Manual Biology 080 Haywood

4. Course Content and Schedule

Timetable of lectures and Labs.

Biology 080 (Fall 2009) – Tentative Schedule

WK	DATE	LECTURE TOPICS	TEXT Chap.	LAB #	LAB TOPICS
1	Sep.8 - 11	Scientific enquiry, Life Biology, Chemistry, water & pH	1 & 3		No lab – Labour day
2	Sep.14 - 18	Organic Macromolecules	3 & 4	1	Lab safety/greetings Metric measurements plotting curves
3	Sep.21 - 25	Cell Biology – Diffusion / osmosis Energy	5, 6 & 7	2	Microscopy/ cell structure
4	Sep.28 – Oct 02	Enzymes	6 & 8	3	Diffusion & Osmosis
5	Oct.5 – 9	Cell Division Mitosis, Meiosis	27	4	Enzymes
6	Oct.13 - 16	Mendel's experiments Inherited diseases	9 & 10	5	No Lab - Thanksgiving
7	Oct.19 - 23	Human Genetics DNA and its replication	11 & 12		Organic compounds
8	Oct.26 - 30	Mid-term review MID-TERM Exam	UTD		LAB EXAM I
9	Nov 2 – 6	DNA Transcription/Translation Mutations	12 & 13	7	Mendel's Peas
10	Nov 9 – 13	No Lectures Remembrance day		8	Scientific method/fitness
11	Nov 16 – 20	Anatomy and the Human Body - Digestion	24	9/10	Nutrition
12	Nov 23 – 27	Human physiology Circulation	25	9/10	Human Organ Systems
13	Nov 30 – Dec 4	Homeostasis	28	.	Human organ systems
14	Dec 7 - 11	Catch-up & Review	UTD		LAB EXAM II

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

5. Basis of Student Assessment (Weighting)

(Should be linked directly to learning outcomes.)

- (a) Assignments, Quizzes and reports: Theory 10% Lab 10% (total 20%)
- (b) Exams: Midterm Theory 20% Final Theory 30%
Lab Exam I 15% Lab Exam II 15%

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
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	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 E-1.5 at camosun.ca for 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, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. (For these courses a final grade will be assigned to either the 3 rd course attempt or at the point of course completion.)

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.
-----------	---

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.

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.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED

STUDENT ASSIGNMENTS

Assignments will be given out on the Wednesday evening of each week and are due in on the following Monday evening – by the end of the lab period.

Assignments received on the day due will be marked out of 100% - but if not received until the following day will be marked out of 80%. There will be a further drop of 20% for any assignment not received until Wednesday. Any assignment not received by the following Thursday (1 week after given out) will receive a zero mark.

Assignments **MUST** be printed as hard copies. Assignments will **NOT** be accepted as emails unless there is a serious illness involved in their tardy return – for which a doctor's note will be mandatory.