

	<p>School of Arts & Science BIOLOGY DEPARTMENT</p> <p>BIOL 080 - 001A, 001B & 001C Enquiry into Life 2010 Winter</p>
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COURSE OUTLINE

The Approved Course Description is available on the web @ D2L Biology 080 _____

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:	14.30 – 15.20 Thursdays		
(c)	Location:	F314D		
(d)	Phone:	370-3516	Alternative Phone:	N/A
(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	Jan. 7	Scientific enquiry, Life Biology, Chemistry, water & pH	1 & 3		No lab
2	Jan.12+14	Organic Macromolecules	3 & 4		Lab safety/greetings Metric measurements
3	Jan. 19+21	Cell Biology – Diffusion / osmosis Energy	5, 6, 7		Microscopy/ cell structure
4	Jan. 26+28	Enzymes	6 & 8		Diffusion & Osmosis
5	Feb. 2 + 4	Cell Division Mitosis, Meiosis	27		Enzymes
6	Feb. 9 +11	Mendel's experiments Inherited diseases	9 & 10		Organic compounds
7	Feb. 16+18	Human Genetics DNA and its replication	11 & 12		No Lab
8	Feb. 23+25	Mid-term review MID-TERM Exam			LAB EXAM I
9	Mar. 2 + 4	DNA Transcription/Translation Mutations	12 & 13		Cardio fitness/S.M.
10	Mar 9 + 11	A & P Human Body – S/A, Circulation			Nutrition
11	Mar. 16+18	A & P Human Body - Respiration	24		Human Organ system
12	Mar. 23+25	A & P Digestion	25		Human Organ Systems
13	Mar 30 +A1	A & P Homeostasis	28		LAB EXAM II
14	Apr. 6 + 8	Catch-up & Review	UTD		NO LAB

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.
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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 Thursday of each week and are due in on the following Tuesday – by the end of the lab period.

Assignments received on the day due (Tuesday) 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 Thursday. Any assignment not received by then (1 week after given out) will receive a zero mark, unless there are mitigating circumstances.

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.