



School of Arts & Science

**BIOL 103 Non-Majors General Biology
Spring 2012**

COURSE OUTLINE

1. Information

Course Description

This course is for the student interested in learning about the basics of the structure and function of living beings. Topics include cell biology, human anatomy and physiology, basic principles of biochemistry, genetics and nutrition.

Prerequisites: English 12 or equivalent or be enrolled in English 12 or equivalent while taking this course

Time and Location

Section	Lab Time	Class Time
003 A	Tu F 8:30-11:20PM (F224)	M,Th, 8:30-11:20PM (F-100)
003 B	Tu F 11:30-2:20PM (F224)	M,Th, 8:30-11:20PM (F-100)

2. Instructor Information

Instructor: Charlie Molnar

Office hours: TBA

Office location: Fisher 340B

Phone: 370-3449

e-mail: molnar@camosun.bc.ca

3. Required Materials

(a) Textbook: Audesirk, 2010. **Biology with Physiology**. 9th edition. Pearson (Earlier editions are OK...page number and chapter number differences and small content differences)

(b) BIOL 103 Laboratory Manual. **2012**. Camosun College Biology Faculty.

COURSE OUTLINE

Grading Systems

4. Content and Schedule

The following tentative schedule is subject to change if deemed necessary by the instructor.

WK	DATE (week of)	Lecture Topics	Lab #	LAB TOPICS (Lab #)
1	May 7-11	Introduction to Biology Scientific Method Biochemistry Basics	1,2	Greetings/Safety/Intro
1		Organic Macromolecules Cell Membranes	1,2	<u>Microscopes/ Measurements & Cells</u>
2	May14-18	Biology of cells	4	Organic Macromolecules
2		Enzymes Cellular Respiration		Diffusion/ Osmosis (EGG Version)
3	May22-25	Mid –Term 1 May22 Cell Division May 21 Holiday	4	Enzymes
3		Meiosis		Lab exam 1 May 25
4	May 28- June1	Mendelian Genetics Sex Linked Traits		Cell Division
4		Inheritance patterns Human genetics	6	Genetics
5	June 4-8	Genetics cont. Diet Diary	6 or 7	Genetics (CATLAB and/or Finger Print lab)
5		Mid –Term 2 June 4 Tissue types	8	Nutrition
6	June 11- 15	Human Anatomy (D) Circulation	9/10	Human Organ Systems
6		Nutrition Digestion		Human Organ Systems
7	June 18- 22	Immune system		NO LAB
7		Catch up		LAB EXAM 2

Final exam June TBA
Last day to withdraw is June 7

COURSE OUTLINE

Grading Systems

5. Basis of Student Assessment

Assignments/quizzes	15%
Exams:	
Midterm I	15%
Midterm II	15%
Lab Exam I	15%
Lab Exam II	15%
Final Exam	25%

Midterms I and II, as well as the lab exams, will be unit exams.
The final lecture exam will be cumulative.
Please bring a pen *and* pencil to all exams.

6. Grading System

The following percentage conversion to letter grade will be used:

A+ = 90 - 100%	B+ = 77 - 79%	C = 60 - 64%
A = 85 - 89%	B = 73 - 76%	D = 50 - 59%
A- = 80 - 84%	B- = 70 - 72%	F = 0 - 49%
	C+ = 65 - 69%	

ADDITIONAL INFORMATION

General:

Be sure that you are familiar with the General Department Policies, which are stated in the lab manual. A student conduct code will also be observed.

ACADEMIC CONDUCT POLICY

There is an Academic Conduct Policy. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section.

www.camosun.bc.ca/divisions/pres/policy/2-education/2-5.html

Please note: **Plagiarism will not be tolerated in any form**, and may result in "0".
No programmable devices are allowed in exams.
Each student is required to sign a Laboratory Safety Contract and give it to the instructor prior to commencing laboratory work in the course.

Attendance:

You are expected to attend all classes and labs, **and be on time**. It is your responsibility to acquire *all* information given during a class missed, incl. notes, hand-outs, assignments, changed exam dates etc.

Exams:

Missed lab exams cannot be made up. Missed lecture exams cannot be made up except in case of documented emergency or illness (doctor's note required). Unless

COURSE OUTLINE

Grading Systems

prevented by emergency, you need to contact the instructor prior to the exam being missed in order to be eligible for the make-up exam.

A **1% final grade penalty** applies to any unexcused absence from lab. Frequent lates may count as an absence. Should you miss roll call at the beginning of lab, please identify yourself to the instructor as "late" or you may remain marked "absent." You need to attend labs and lab exams during your assigned section (A or B). Switching between sections on a permanent or temporary basis requires instructor's permission. **Lab assignments can only be handed in for labs actually attended.**

It is *absolutely* necessary to read and mentally work through each exercise before coming to lab. Otherwise you may not be able to finish on time, annoy your lab partner, or flunk a pre-lab pop quiz.

Assignments:

Unless otherwise stated, all assignments are **due at the beginning of the lab/class** of the due date. There is a **10%/day late penalty**. The format is expected to be professional, i.e. a neat, legible, clean copy. "Rough" drafts risk rejection and a subsequent late penalty. If the assignment is more than one page, **separate pages must be stapled before** you come to class.

Study Habits:

You will probably find Biology 103 not very difficult, but surprisingly labor-intensive. Good (and regular!!) study habits are required to do well in this course. You should plan on a *minimum* of 6 hours outside of scheduled class time for the completion of assignments and for general studying. Joining a study group can help this make more fun.

Lecture notes will be provided in point form. These should be used as a study guide, not as your sole source of information! You will need to write down additional key words for examples and explanations given during lecture. It is also recommended practice to transcribe these notes into a study-friendly format after each lecture, incorporating additional information from your textbook. Study these notes before the next class to prepare yourself for new material, which will often build on previously covered material.

Due to time constraints, not all details can be covered in lecture, and you may be held responsible for textbook material not specifically discussed in class. Please keep up with your readings, and take advantage of office hours if you need extra clarification and help, or simply would like to discuss a topic a little further.

LEARNING SUPPORT AND SERVICES FOR STUDENTS

Heads up: Each lab period will start with a brief quiz on that days lab. Quiz will be given exactly at the lab start. I.e. At 8:30 or 11:30. Be on time!

There are a variety of services available for students to assist them throughout their learning. This information is available in the College Calendar, Registrar's Office or the College web site at <http://www.camosun.bc.ca>