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**School of Arts & Science**

**Biology 153 – Anatomy & Physiology 2 (Nursing)  
Spring 2008**

**COURSE OUTLINE**

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**INTRODUCTION**

Biology 153 is the second half of a two-semester course on the anatomy and physiology of the human body with applications to clinical nursing practice. The course traces anatomy and physiology of cells, tissues and selected organ systems. Themes, which will be integrated in the course, include physical assessment, diagnostic testing, basic pharmacology, nutrition and development.

**INSTRUCTOR**

**Biology**

Instructor: Larry Anthony  
Location: F340A  
Phone: 370-3388  
E-mail: [anthonyl@camosun.bc.ca](mailto:anthonyl@camosun.bc.ca)  
Website: <http://online.camosun.ca/>

Drop-in office hours: Mon 11:30 – 12:20  
Tue 11:30 – 12:20; 1:20 – 2:20  
Thu 11:30 – 12:20  
Fri 11:30 – 12:20

It is understood that the scheduled times may not coincide with available times for individual students. Therefore, I will be pleased to be available at other times; simply get in touch with me and set up a mutually convenient time.

**LEARNING SUPPORT AND SERVICES FOR STUDENTS**

Learning Skills offers assistance to learners in a variety of ways. See:

<http://www.camosun.bc.ca/services/learning-skills/>

**TEXTBOOKS – Required**

Martini, F. (2006). *Fundamentals of Anatomy and Physiology*. (7<sup>th</sup> Ed.) Benjamin Cummings, San Francisco.

Martini, F. and Welch, K. (2006). *Applications Manual: Fundamentals of Anatomy and Physiology*. Benjamin Cummings, San Francisco.

Martini, F. (2006). *Martini's Atlas of the Human Body*. Benjamin Cummings, San Francisco.

## **TEXTBOOKS – Optional**

Seiger, C. (2004). *Study Guide: Fundamentals of Anatomy and Physiology*. (7<sup>th</sup> Ed.) Benjamin Cummings, San Francisco.

\*Kapit, W. and Elson, L. (2002). *The Anatomy Coloring Book*. New York, NY: Harper & Row.  
(\*or other similar publication)

**N.B.** You will obtain information from several sources including lectures, class discussions, text books, videos, labs and clinical courses. Do not rely exclusively on any one, or only some of the sources.

## **LABORATORY REQUIREMENTS**

Students are **REQUIRED** to wear a lab coat during ALL lab sessions. Cloth coats are preferable but disposable ones are acceptable.

Binder for laboratory manual, notes and assignments.

## **LEARNING OUTCOMES**

Upon successful completion of Biology 153, you will be able to:

- Use your knowledge of normal anatomy and physiology to differentiate normal from abnormal when you are doing physical assessments of clients.
- Use and understand correct terminology when you are communicating with other members of the health care team.
- Use your knowledge of anatomy and physiology as a basis for further study of pathophysiology.
- Help clients by explaining basic anatomy and physiology, nutrition and pharmacology in the maintenance of health and prevention of disease.

Comprehension of material covered in the prerequisite courses, Biology 12 or 080, Biology 152 and Chemistry 11 is necessary in order to understand concepts taught in Biology 153. Students are expected to review this prerequisite material, if necessary, as it too is testable.

## **EVALUATION**

There will be one theory examination and two laboratory examinations. Examination questions in Biology 153 will incorporate critical thinking and problem-solving. Marks will be awarded for assignments, pre-laboratory preparation.

Midterm lecture exam:	25%
Midterm lab exam:	12.5%
Final lab exam:	12.5%
Pre-lab preparation:	5%
Assignments, quizzes etc.:	10%
Final comprehensive theory exam:	35%

Lecture exams will cover topics that have been discussed during lectures, while lab exams will cover material presented in the laboratory. Note that classroom and laboratory topics may reinforced one another.

Laboratory exams include a practical component, for example, the identification of structures from anatomical models, dissections and slides. The following web site may be useful in reviewing lab material as it provides labelled images of tissues and models examined in the lab:

<http://hunterp.disted.camosun.bc.ca>

user ID: anatomy

password: body123

The final lecture exam is comprehensive, covering the entire semester.

### IMPORTANT TO NOTE!

Exams must be written at the scheduled times. If a student is unable to attend an exam because of a genuine medical or other emergency, the instructor must be notified as soon as possible, preferably in advance of the examination. Accommodation will be made **ONLY** in the case of genuine emergencies (vacation plans and scheduled flights do not constitute emergencies) and **ONLY** upon provision of supporting documentation acceptable to the Biology Department.

The following percentage conversions to letter grades will be used for this course:

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

### CONCERNING SPELLING

Mastering the usage of anatomical and physiological terminology will be important to you for several reasons. Correct usage (pronunciation and spelling) will:

- foster self confidence
- help to earn the respect of your professional colleagues
- reduce the chances of practical mistakes which may cause harm or embarrassment.

Consider the difference between the terms ileum and ilium or (worse!) peroneal and perineal!

You will be expected to use acceptable pronunciation and correct spelling for presentations, assignments and exams. Penalties for spelling errors will be applied. If writing is illegible, no marks will be given.

### 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 Biology Department is received. The student must notify the instructor in advance of the examination, if possible.
5. If a student is unable to take the final laboratory examination and provides acceptable documentation, an **oral laboratory examination** may be given.
6. Any evaluation of work for in-class/lab assignments, reports and/or participation will not be given if a student is not present for any reason. If the student misses classes, it is his/her responsibility to make sure s/he is aware of all assigned work or other information given out in class.
7. Students are expected to work independently on reports unless instructed that the evaluation is based

on group effort and evaluation.

8. Students must know and follow all Safety Rules and Procedures.
9. Students must sign the Safety Contract before participating in any laboratory activity.
10. Failure to follow the Safety Rules and Procedures will result in penalties at the discretion of the instructor.
11. Students must turn off cell phones and pagers during lectures and laboratory sessions.
12. 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.

### **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.

<http://www.camosun.bc.ca/policies/Education-Academic/E-2-Student-Services-&-Support/E-2.5.pdf>