



**School of Arts & Science
Biology Department**

**Biology 153 Anatomy and Physiology for Nursing
Winter 2007**

COURSE OUTLINE

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.

INSTRUCTORS

Biology

Martina Mussi	F304	370-3984 mussim@camosun.bc.ca
Office hours:	Tue 12:30-2:20 4:30-5:20 Thu 11:30-1:20	

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.

It is important that you are familiar with material that has already been covered in the prerequisite courses, Biology 12 or 080, Biology 152 and Chemistry 11. This information 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. The learning outcomes for Biology 12 can be accessed at the following website: <http://www.bced.gov.bc.ca/irp/curric/biolo.htm#gr12>

TEXTBOOKS - Required

Martini, F. (2006). *Fundamentals of Anatomy and Physiology*. (7th 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.

Camosun College, Department of Biology. *Biology 153: Laboratory Manual (W2006)*

TEXTBOOKS – Required by those students in Nursing Program

Dugas, B., Esson, L. & Ronaldson, S. (1999). *Nursing foundations: A Canadian Perspective*. (2nd Ed.) Scarborough, Ontario: Prentice Hall Canada Inc.

Estes, M. (2002). *Health assessment & physical examination*. (2nd Ed.) Toronto: Delmar Publishers.

Eisenhauer, L., Wemett, L., Spencer, R., & Burgan, F. (1998). *Clinical pharmacology & nursing management*. (5th Ed.) New York: Lippincott.

TEXTBOOKS, Optional

Seiger, C. (2004). *Study Guide: Fundamentals of anatomy and physiology*. (7th 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.

Lab requirements

1. Lab coat. Disposable lab coats are acceptable.
2. Binder for laboratory modules and assignments with lined and blank loose-leaf paper.
3. Coloured pencils.

EVALUATION

There will be two theory examinations during the term, a midterm laboratory examination and final comprehensive theory and laboratory examinations. Examination questions in Biology 153 will incorporate critical thinking and problem-solving. Theory examinations will include both the nursing (15%) and biology (85%) components of the course. Marks may be awarded for assignments, laboratory reports and class presentations.

Assignments	10%
Midterm Lecture exam	30%
Midterm Lab Exam	10%
Final Comprehensive Lab Exam	15%
Final Comprehensive Theory Exam	35%
TOTAL	100%

Examinations will be given at times indicated on the Course Schedule. Assignments will be due at times as announced in class. **There will be only ONE makeup examination and it will only be granted for genuine emergencies, supported by documentation acceptable to the department.** In case of illness or emergency, the student must notify the instructor **in advance** of the examination in order for alternate arrangements to be made. **Note:** *Vacation plans do not constitute an emergency.* Please see STUDENT RESPONSIBILITIES.

The following grades will be applied to examinations and other forms of evaluation in this course:

A+	=	95% - 100%	C+	=	65% - 69%
A	=	90% - 94%	C	=	60% - 64%
A-	=	85% - 89%	D	=	50% - 59%
B+	=	80% - 84%	F	=	less than 50%
B	=	75% - 79%			
B-	=	70% - 74%			

STUDENT RESPONSIBILITIES

1. 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.
2. If out of class assignments are given, students are expected to hand in the assignments to the instructor on time.
3. Students are expected to use acceptable pronunciation and spelling for presentations and evaluations. Legible handwriting is required. Penalties for spelling errors and illegible handwriting will be applied.
4. Late assignments will be accepted at the discretion of the instructor and only if the assignment has not been returned to other students. If the instructor agrees to accept a late assignment, there will be a penalty of 10% per day for each weekday. If an assignment is due on Friday, a penalty of 10% will be applied to Saturday/Sunday period.
5. Examinations must be written as scheduled. Exceptions will be made 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.
6. If acceptable documentation for missing a theory examination is received, the student will be given the opportunity to write a makeup examination in week 13 which will be valued at the percentage allocated to the missed examination(s). This makeup examination will include all material covered up to and including week 12.
7. If a student is unable to take the midterm laboratory examination and provides acceptable documentation, the final comprehensive laboratory examination will be weighted 25% of the course mark.
8. If a student is unable to take the final laboratory examination and provides acceptable documentation, an oral laboratory examination will be given.
9. 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.
10. Students are expected to work independently on reports unless instructed that the evaluation is based on group effort and evaluation. Please see Student Conduct Policy.

Unacceptable student behaviour includes, but is not limited to, the following:

- giving or receiving unauthorized information to or from another student during any examination or test.
- obtaining or providing, without authorization, questions or answers relating to any examination or test prior to the time of the examination or test.
- using unauthorized sources of information during any examination or test.
- asking or arranging for another person to take any examination or test in one's place.
- 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 Student Conduct policy, a grade of 'F' for the work involved or for the course may be assigned.

10. Students must know and follow all Safety Rules and Procedures. Failure to adhere to safety rules will be dealt with as outlined in the Student Conduct Policy.