

Biology 152 — Fall 2004 ***Anatomy and Physiology for Nursing***

INTRODUCTION

Biology 152 is the first 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 Thuy Nguyen F246 370-3433 nguyen@camosun.bc.ca

Nursing Sandy Stewart TBA TBA dragonflies@shaw.ca

TEXTBOOKS

Biology – Required

Martini, F. (2004). *Fundamentals of Anatomy and Physiology*. (6th Ed.) Benjamin Cummings, San Francisco.

Camosun College, Department of Biology. *Biology 152: Course Outline, Learning Objectives and Laboratory Directions* — Fall 2003.

Optional

Seiger, C. (2004). *Study Guide: Fundamentals of anatomy and physiology*. (6th Ed.) Benjamin Cummings, San Francisco. (available in the library on a reserve basis)

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

*or other similar publication

Nursing – Required for students registered in nursing.

For others, texts are optional.

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.

LAB REQUIREMENTS

1. Lab coat. Disposable lab coats are acceptable and can be used for the two semesters of biology.
2. Binder for laboratory modules and assignments with lined and blank loose-leaf paper.
3. Colored pencils.

EVALUATION

There will be two theory examinations during the term, a midterm laboratory examination and final comprehensive theory and laboratory examinations. Theory examinations will include both the nursing and biology components of the course. Marks may also be awarded for assignments, lab reports and/or class participation.

Midterm Exam	.....	30%
Assignments.	.....	10%
Midterm Lab Exam	.....	10%
Final comprehensive Lab Exam	.....	15%
Final comprehensive	.....	35%

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 will only be granted for genuine emergencies, supported by documentation acceptable to the department.** In the 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 letter grades will be applied to examinations and other forms of evaluations 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%			

BIOLOGY 152 COURSE SCHEDULE FALL 2004

The following is a **tentative** schedule of lectures and labs. Changes may be announced in class.

Week	Dates	Lecture Topics	Lab Activities
1	Sept 6 Sept 7-10	LABOUR DAY Homeostasis, cells and membrane transport	COLLEGE CLOSED LAB 1: Lab Safety, Anatomical Terminology and Systems Overview
2	Sept 13-17	Tissues <i>Nursing – Intro to Nursing Applications</i>	LAB 2: Introduction to Microscopy and Tissues
	Sept 20-24	Integumentary System <i>Nursing – Skin integrity</i>	LAB 3: Tissues (cont'd) and Integumentary System
4	Sept 27- Oct 1	Skeletal System	LAB 4: Intro to Skeletal System and Axial Skeleton
5	Oct 4-8	Muscular System	LAB 5: Appendicular Skeleton and Articulations
6	Oct 11 Oct 12-15	THANKSGIVING DAY <i>Nursing – Movement and exercise</i>	LAB EXAM #1
7	Oct 18-22	MIDTERM EXAM Neural Tissue & Action potential	LAB 6: Muscular System
8	Oct 25-29	Central Nervous System	LAB 7: Central Nervous System
9	Nov 1-5	Peripheral Nervous system <i>Nursing – Sleep</i>	LAB 8: Peripheral Nervous System
10	Nov 11 Nov 8-12	REMEMBRANCE DAY Sensory Perception	NO LAB
11	Nov 15-19	Sensory Perception <i>Nursing – cognition and perception</i>	LAB 9: Anatomy of Eye and Ear Sensory perception
12	Nov 22-26	Endocrine System	LAB 10: Endocrine System
13	Nov 29 – Dec 3	Cardiovascular System <i>Nursing – Cardiovascular 1</i>	LAB EXAM #2
14	Dec 6-10	Cardiovascular System	LAB 11: Cardiovascular Anatomy
15/16	Dec 13-21	FINAL COMPREHENSIVE EXAM (Date TBA)	