

**School of Arts & Science
DEPT**

**BIOL 153, Anatomy and Physiology 2
Winter 2004**

COURSE OUTLINE

The Approved Course Description is available on the web @_____

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for your records.

1. Instructor Information

- (a) Instructor W. Donald MacRae
- (b) Office hours: TBA
- (c) Location: F 346A
- (c) Phone: 370-3437
- (e) E-mail: dmacrae@camosun.bc.ca
- (f) Website: <http://ccins.camosun.bc.ca/~dmacrae/>

2. Intended 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.

3. Required Materials

(a) Texts

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

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

Martini, F. (2004). *Martini's Atlas of the Human Body*. Benjamin Cummings, San Francisco.

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.

(b) Other

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

4. Course Content and Schedule

Week		Lecture	Lab Activity
1		Cardiovascular System (Continued from Biol 152)	LAB 1: Lab Safety Cardiovascular physiology: ECG
2	Jan 12 – 16	Nervous System Nursing – Cardiovascular 3	LAB 2: Central Nervous System and Cranial nerves
3	Jan 19 – 23	Nervous System	LAB 3: Peripheral Nervous System
4	Jan 26 – 30	Nervous System Nursing: Cognition & Perception	LAB 4 : Anatomy of the eye and ear Sensory Perception
5	Feb. 2 Feb 3 – 6	EXAM #1 Digestive System	LAB 5: Digestive System and Nutrition
6	Feb 9 – 13 Feb 12 – 13	Digestive System Nursing: Nutrition, bowel elimination Reading Break	No lab this week
7	Feb 16 – 20	Microbiology	LAB EXAM #1
8	Feb 23 – 27	Microbiology Nursing: Prevention of Infection	LAB 6: Microbiology 1
9	Mar 1 – 5	Microbiology Lymphatic System / Immunology	LAB 7: Microbiology 2
10	Mar 8 Mar 8 – 12	EXAM #2 Lymphatic System / Immunology	LAB 8: Microbiology 3 Lymphatic System
11	Mar 15 – 19	Urinary System	LAB 9: Urinary System/Urinalysis
12	Mar 22 – 26	Urinary System Nursing – Urinary elimination	LAB 10: Reproductive System
13	Mar 29 – Apr 2	Reproductive System	LAB EXAM #2
14	Apr 5 – 8	Reproductive System	No Lab (Easter weekend)
15	Apr 13 – 21	FINAL COMPREHENSIVE EXAM College exam period Date TBA	

5. Basis of Student Assessment (Weighting)

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.

Assignments.....	5%
Midterm Lab Exam	10%
Final comprehensive Lab Exam	15%
Exam # 1	15%
Exam #2	20%
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.

6. Grading System

(If any changes are made to this part, then the Approved Course description must also be changed and sent through the approval process.)

(Insert appropriate approved grading system – see last page of this template.)

The following percentage conversion to letter grade will be used:

A+ = 95 - 100%	B = 75 - 79%	D = 50 - 59%
A = 90 - 94%	B- = 70 - 74%	F = 0.0 - 49%
A- = 85 - 89%	C+ = 65 - 69%	
B+ = 80 - 84%	C = 60 - 64%	

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, Registrar's Office or the College web site at <http://www.camosun.bc.ca>

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