CAMOSUN COLLEGE
School of Arts & Science
Biology Department

BIOL 150: Human Anatomy
Winter 2005

COURSE OUTLINE

CALENDAR DESCRIPTION

Biology 150 provides an introduction to structural and functional relationships within the 11 systems of the human body. Using a lab and lecture based format, a combination of slides, models, photographs, diagrams and organ dissections is used to study both gross and microscopic human anatomy. Anatomical and physiological terminology is stressed, with a particular emphasis on its relevance to human health sciences.

PREREQUISITES

English 12 and Biology 12

1. Instructor Information

Instructor: Thuy Nguyen
Office hrs: TBA
Location: F246
Phone: 370-3433
E-mail: nguyen@camosun.bc.ca

2. Intended Learning Outcomes

1. *Describe, using anatomical terminology, the human body at the tissue, organ and organ system levels.*

2. *Locate and identify gross and microscopic anatomical structures associated with the 11 human organ systems in slides, models, photographs, diagrams and dissections.*

3. *Visualize and interpret the relationships between anatomical structures in sectional planes of the human body, and describe these relationships using regional and directional terminology.*

4. *Relate anatomical structures to their basic functions and predict how changes in one would logically be expected to result in changes in the other.*

5. *Locate and identify surface anatomical structures by palpation.*

6. *Define anatomical and physiological terms, and apply this terminology in the context of human health science.*

3. Required Materials

Texts: Hole's Human Anatomy and Physiology (10th edition), Shier, D., Butler, J. and Lewis, R. McGraw Hill (2004).

Other: Biology 150 Lab Manual (Winter 2005)
Camosun College

4. Course Content and Schedule

Class hours:	3 hrs lecture/week	M, Th (10:30 – 11:50) in F200
	3 hrs lab/week	X01A: Th (12:30-3:20) in F224
		001B: M (6:30-9:20) in F222
Out of class:	6 hrs/week minimum	
Credits:	4 credits	

5. Basis of Student Assessment (weighting)

Quizzes and/or assignments	20%
Lab exam 1	12.5%
Lab exam 2	12.5%
Lecture midterm 1	15%
Lecture midterm 2	15%
Final	25%
	100%

6. Grading System

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. Student Responsibilities

1. *Students are expected to hand in any required assignments on time. Assignments are due at the **beginning** of the class period on the due date. Assignments not handed in at the beginning of class will be considered late, for which there is a 15% penalty/day.*

2. *Attendance correlates highly with academic success. If unable to attend a lecture or lab session, the student is responsible for arranging with a classmate to obtain information such as notes, handouts and announcements.*

3. *Examinations must be written as scheduled except in the case of illness or emergency. The student must notify the instructor **in advance** of the examination. Documentation acceptable to your instructor is required to schedule a make-up exam.*

4. *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.*

5. *Students are expected to work independently on reports unless instructed that the evaluation is based on group effort and evaluation. Please see ACADEMIC MISCONDUCT.*

6. *WCB and Health and Welfare Canada regulations apply to the use of the laboratory. Safety procedures will be introduced In Lab 1. Eating or drinking in the laboratory is not permitted.*

BIOLOGY 150 COURSE SCHEDULE - WINTER 2005

Wk	Dates	Topics	Text refs	Labs
1	Jan 10–14	Introduction levels of organization, macromolecules, cells	Ch 1- 4	Lab 1: Body planes, directional terms, cavities/ introduction to systems
2	Jan 17–21	Tissues Integumentary system / Exocrine glands	Ch 5	Lab 2: Cell structure/ microscopy
3	Jan 24–28	Skeletal system	Ch 6	Lab 3: Tissues/ integumentary system
4	Jan 31–Feb 4	Articulations Muscular system	Ch 7 Ch 8	Lab 4: Bone structure/axial skeleton
5	Feb 7–9 Feb 10–11	Nervous system **Reading Break**	Ch 10	Lab 5: Appendicular skeleton and articulations
6	Feb 14–18	Nervous system (cont'd) **MIDTERM 1**	Ch 11	Lab 6: Muscle tissue/ major muscles and actions
7	Feb 21–25	Nervous system (cont'd)	Ch 11	**LAB EXAM 1**
8	Feb 28–Mar 4	Special senses	Ch 12	Lab 7: Central nervous system/brain and spinal cord
9	Mar 7–11	Endocrine system Cardiovascular system	Ch 13 Ch 15	Lab 8: Peripheral nervous system
10	Mar 14–18	Cardiovascular system Lymphatic system	Ch 15 Ch 16	Lab 9: Eye and ear/ endocrine glands
11	Mar 21–24	**MIDTERM 2** Respiratory system	Ch 19	Lab 10: Blood, heart, blood vessels, lymphatic system
12	Mar 28 Mar 29–Apr 1	**Easter Holiday** Respiratory system	Ch 19	No Lab
13	Apr 4–8	Digestive system	Ch 17	Lab 11: Respiratory system/digestive system
14	Apr 11–15	Urinary system Reproductive system	Ch 20 Ch 22	Lab 12: Urinary system/reproductive system
15	Apr 18–26	**FINAL EXAM – TBA**		**LAB EXAM 2**