

CAMOSUN COLLEGE
School of Arts & Science
Biology Department

BIOL 150-002A/B: Human Anatomy
Fall 2004

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: *Don MacRae*
Office hrs: *TBA*
Location: *F346A*
Phone: *370-3437*
E-mail: *dmacrae@camosun.bc.ca*

2. 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 (Fall 2004)*
Camosun College

3. Course Particulars

Class hours:	<i>3 hrs lecture/week</i>	<i>Mondays (10:30-11:50) in F238</i> <i>Thursdays (10:30-11:50) in E346</i>
	<i>3 hrs lab/week</i>	<i>002A: Wednesday (9:30-12:20) in F224</i> <i>002B: Wednesday (1:30-4:20) in F 224</i>
Out of class:	<i>6 hrs/week</i>	
Credits:	<i>4 credits</i>	

4. 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*
7. *Describe, using anatomical terminology, the human body at the tissue, organ and organ system levels*
8. *Locate and identify gross and microscopic anatomical structures associated with the 11 human organ systems in slides, models, photographs, diagrams and dissections*
9. *Visualize and interpret the relationships between anatomical structures in sectional planes of the human body, and describe these relationships using regional and directional terminology*
10. *Relate anatomical structures to their basic functions and predict how changes in one would logically be expected to result in changes in the other*
11. *Locate and identify surface anatomical structures by palpation*
12. *Define anatomical and physiological terms, and apply this terminology in the context of human health science*

5. Basis of Student Assessment (weighting)

Quizzes and/or assignments	20%
Lab exam 1	10%
Lab exam 2	10%
Lecture midterm 1	15%
Lecture midterm 2	15%
Final	<u>30%</u>
	<u>100%</u>

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.*
2. *Attendance is important to correlates highly with academic success. If unable to attend a 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 - FALL 2004

wk	dates	Topics	text refs	labs
1	Sept 6 Sept 7-10	Labour Day Introduction - levels of organization, macromolecules, cells, tissues	Ch 1- 4	Lab 1: Body planes, directional terms, cavities/ introduction to systems
2	Sept 13-17	Tissues (cont'd) Integumentary system / Exocrine glands	Ch 5	Lab 2: Cell structure/ microscopy
3	Sept 20-24	Skeletal system	Ch 6	Lab 3: Tissues/ integumentary system
4	Sept 27-Oct 1	Skeletal system (cont'd) Articulations	Ch 7	Lab 4: Bone structure/axial skeleton
5	Oct 4-8	MIDTERM 1 Muscular system	Ch 8	Lab 5: Appendicular skeleton and articulations
6	Oct 11 Oct. 12-15	Thanksgiving Day Nervous system	Ch 10	Lab 6: Muscle tissue/ major muscles and actions
7	Oct 18-22	Nervous system (cont'd)	Ch 11	LAB EXAM 1
8	Oct 25-29	Special senses	Ch 12	Lab 7: Central nervous system/brain and spinal cord
9	Nov 1-5	Endocrine system	Ch 13	Lab 8: Peripheral nervous system
10	Nov 8-12 Nov 11	MIDTERM 2 Remembrance Day		Lab 9: Eye and ear/ endocrine glands
11	Nov 15-19	Cardiovascular System Lymphatic system	Ch 15 Ch 16	Lab 10: Blood, heart, blood vessels, lymphatic system
12	Nov 22-26	Respiratory system Digestive system	Ch 19 Ch 17	Lab 11: Respiratory system/digestive system
13	Nov 29-Dec 3	Digestive system (con't) Urinary system	Ch 20	Lab 12: Urinary system/reproductive system
14	Dec 6-10	Reproductive system	Ch 22	LAB EXAM 2
15	Dec 13-18, 20-21	FINAL EXAM – TBA		