



**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Biology Department**

**BIOL 150: Human Anatomy**  
**Winter 2007**

**COURSE OUTLINE for 150-001A/B**

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**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.*

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**PREREQUISITES**

*English 12 and Biology 12*

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**1. Instructor Information**

Instructor: Jennifer Giuliani (Moore)  
Office hrs: Mondays and Wednesdays, 1:00pm – 3:30pm (\*\*or by appointment!)  
Location: E304  
Phone: 370-3909  
E-mail: moorej@camosun.bc.ca  
Website: <http://moore.disted.camosun.bc.ca>

**2. Required Materials**

Texts: Anatomy & Physiology (7th ed) Seeley R., Stephens T., Tate P. McGraw Hill (2006).

Other: Biology 150 Lab Manual (fall 2006 or winter 2007)  
Camosun College

**3. Course Particulars**

Class hours: 3 hrs lecture/week M (10:30-11:50am) in F202  
Th (10:30-11:50am) in F202  
3 hrs lab/week section A: F (12:30-3:20pm) in F224  
section B: M (6:30-9:20pm) in F238

Out of class: 6 hrs/week minimum

#### 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.

Note: A detailed list of course objectives is included in the lab manual.

#### 5. Basis of Student Assessment (weighting) 6 Categories

i)	Assignments, Quizzes & Lab Work .....	15%
ii)	Lab exam 1 .....	15%
iii)	Lab exam 2 .....	15%
iv)	Lecture midterm 1 .....	15%
v)	Lecture midterm 2 .....	15%
vi)	Final Exam .....	<u>25%</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. 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 10% 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.*

## 8. 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, at Student Services or the College web site at [camosun.ca](http://camosun.ca).

### STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services and on the College web site in the Policy Section.

There are also several links on my website (<http://moore.disted.camosun.bc.ca>) for more information on learning support and other resources. Or, drop in to my office hours and I will help to steer you in the right direction!

**BIOLOGY 150 TENTATIVE COURSE SCHEDULE – Winter 2007**

**\*Note:** The college will be closed on February 8<sup>th</sup> and 9<sup>th</sup> (Reading break), April 6<sup>th</sup>, and April 9<sup>th</sup> (Easter). There will be no class or lab on those days. (See schedule below for details)

Wk	Dates	Topics	Text refs	Labs
1	Jan 8-12	Introduction Levels of organization, macromolecules, cells	Ch 1 – 3	Lab 1: Body planes, directional terms, cavities/ introduction to systems <b>AND</b> Lab 2: Cell structure/ microscopy
2	Jan 15-19	Tissues Integumentary system	Ch 4 Ch 5	Lab 3: Tissues/ integumentary system
3	Jan 22-26	Skeletal system	Ch 6, 7	Lab 4: Bone structure/axial skeleton
4	Jan 29-Feb 2	Articulations Muscular system	Ch 8 Ch 9,10	Lab 5: Appendicular skeleton and articulations
5	Feb 5-7 (*Reading Break: February 8-9!)	<b>MIDTERM #1 Monday, February 5<sup>th</sup></b>		NO LAB
6	Feb 12-16	Nervous system Nervous tissue	Ch 11	Lab 6: Muscle tissue/ major muscles and actions
7	Feb 19-23	Brain, cranial nerves Spinal cord, nerves	Ch 13 Ch 12	<b>LAB EXAM 1</b> (Labs 1-6)
8	Feb 26- March 2	Integration of systems Special senses	Ch 14 Ch 15	Lab 7: Central nervous system/brain and spinal cord
9	March 5-9	Endocrine system <b>MIDTERM #2- Thursday, March 8th</b>	Ch 18	Lab 8: Peripheral nervous system <b>AND</b> Lab 9: Eye and ear/ endocrine glands
10	March 12-16	Cardiovascular system	Ch 19, 20, 21	Lab 10: Blood, heart, blood vessels, lymphatic system
11	March 19-23	Lymphatic system Respiratory system	Ch 22 Ch 23	Lab 11: Respiratory/digestive system
12	March 26-30	Respiratory system Digestive system	Ch 23 Ch 24	<b>LAB EXAM 2</b> (Labs 7-11)
13	April 2-5 (College closed Friday, April 6 <sup>th</sup> )	Digestive system Urinary system	Ch 24 Ch 26	Lab 12: Urinary/Reproductive system (Monday lab)
14	April 10-13 (College closed Monday, April 9 <sup>th</sup> )	Reproductive system	Ch 28	Lab 12: Urinary/Reproductive system (Friday lab)
15	April 16-24	<b>FINAL EXAM – TBA</b>		