



CAMOSUN COLLEGE
School of Arts & Science

BIOL 150: Human Anatomy (Sections 003A, 003B)
Fall 2012

COURSE OUTLINE

CALENDAR DESCRIPTION

This course provides an introduction to structural and functional relationships within the eleven systems of the human body. A lab and lecture based format, combining slides, models, photographs, diagrams and organ dissections is used to study both gross and microscopic human anatomy. Anatomical and physiological terminology is stressed.

PREREQUISITES

English 12 and Biology 12 (or equivalents)

Note: Chem. 11 or equivalent is not a prerequisite for Biol.150 but is required for Biol.151

1. Instructor Information

Instructor: Tom Mace

Office hrs: 1:00 – 2:00; or any other time when Tom is in his office.

Location: F248B

Phone: 250-370-3436

E-mail: mace@camosun.bc.ca

2. Required Materials

The Anatomy Coloring Book, 3rd edition. Kapit, W. and Elson, L.M. Benjamin Cummings, 2002.

Camosun College Biology 150 Human Anatomy Lab Manual, Fall 2012.

3. Course Particulars

Class hours: Lecture: Monday/Friday 2:30 – 3:50
 Laboratory: Monday 9:30 – 12:30

Out of class: approx.4 hrs/week

Credits: 4 credits

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

5. Basis of Student Assessment (weighting)

Reading Assignments (15%)

- these are reading and/or colouring assignments, based on “The Anatomy Coloring Book” that are to be completed in advance of the topics being discussed in lecture or lab
- access to a computer and www is required to complete these

Laboratory Assignments (15%)

- these involve your interpretation and identification of structures presented during the laboratory
- access to a computer and www after lab time is required to complete these

Quizzes (10%)

- these are carried out during the laboratory time

Exams (60%)

- there are two exams (15% each) during the semester and a final exam (30%) scheduled during the college examination period
- topics included in the course and will be scheduled during the college examination period.

6. Grading System

The Camosun Standard Grading System will be used to determine the final letter grade:

A+ = 90 - 100%

A = 85 - 89%

A- = 80 - 84%

B+ = 77 - 79%

B = 73 - 76%

B- = 70 - 72%

C+ = 65 - 69%

C = 60 - 64%

D = 50 - 59%

F = 0 - 49%

7. Student Responsibilities

1. Follow any safety procedures specified by the instructor while in the Laboratory. Eating or drinking in the laboratory is NOT permitted.
2. Work cooperatively. There are many instances in which laboratory materials are limited in number and must be shared. Working in groups will facilitate access to materials AND, with the appropriate attitude, enhance the learning experience.
3. Recognize that there are times for collaborative efforts and times for individual effort. Do your own work on exams and assignments for which you are the only person receiving credit.
4. Write examinations and tests as scheduled. In the case of illness or emergency, notify the instructor by phone or e-mail **in advance** of the examination and provide acceptable documentation. **Note:** There will be **no** supplementary weekly tests unless under exceptional circumstances. Missed laboratory unit tests will be given a grade of "0".
5. Be familiar with the Camosun College student conduct policy.

Tentative Outline

	Week	Lecture Topic	Laboratory
1	Sept 4-7	Cells, Early Development	No Lab This week
2	Sept 10-14	Tissues, Integumentary System	Lab 1 Integumentary System
3	Sept 17-21	Skeletal System	Lab 2 Axial Skeleton
4	Sept 24-28	Articulations	Lab 3 Appendicular Skeleton
5	Oct 1-5	Muscular System (Exam 1)	Lab 4 Articulations Lab 5 Muscles of the Axial Skeleton
6	Oct 9-12	(Monday) College closed Nervous System	No labs. this week (Thanksgiving)
7	Oct 15-19	Nervous system	Lab 6 Muscles of Appendages
8	Oct 22-26	Sensory Organs	Lab 7 Central Nervous System
9	Oct 29-Nov 2	Cardiovascular System	Lab 8 Peripheral Nervous System, Eye and Ear
10	Nov 5-9	Lymphatic System (Exam 2)	Lab 9 Cardiovascular and Lymphatic Systems
11	Nov 13-16	(Monday) - College closed Respiratory System, Digestive System	No lab this week
12	Nov 19-23	Urinary System	Lab 10 Respiratory and Digestive Systems
13	Nov 26-30	Endocrine System	Lab 11 Excretory and Reproductive Systems
14	Dec 3-7	Reproductive Systems	Lab Quiz and Review

Final exam - scheduled during the college exam period , Dec 10-18