



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

**BIOL 150: Human Anatomy (Sects. 001A and B)**  
**Winter 2011**

**COURSE OUTLINE**

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**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.

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**PREREQUISITES**

English 12 and Biology 12

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**1. Instructor Information**

Instructor: Tom Mace  
Office hrs: Monday, Friday 11:30 – 12:30; Friday 12:30 – 1:30; or any other time when Tom is not in his office.  
Location: F248B  
Phone: 250-370-3436  
E-mail: [mace@camosun.bc.ca](mailto:mace@camosun.bc.ca)

**2. Required Materials**

Text: Anatomy and physiology: the unity of form and function. 5th edition. Kenneth Saladin. McGraw Hill; **OR** another college level textbook of anatomy or anatomy and physiology.

Lab: Biology 150. **Laboratory Manual.** Camosun College.

**3. Course Particulars**

Class hours: 3 hrs lecture/week (See CAMLINK for appropriate section)  
3 hrs lab/week (See CAMLINK for appropriate section)

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)

|                       |             |
|-----------------------|-------------|
| Assignments .....     | 10%         |
| Lab unit tests .....  | 25%         |
| Mid-term Exam I.....  | 12.5%       |
| Mid-term Exam II..... | 12.5%       |
| Final exam.....       | <u>40%</u>  |
| Total                 | <u>100%</u> |

There will be approximately twelve assignments, to be completed by referring to texts and/or laboratory materials. Note: The assignments correspond with the laboratory material and will be completed online using the Camosun D2L format. Specific details will be discussed in the first (introductory) lab session.

The Lab unit tests are a series of weekly tests, carried out during the first half hour of each laboratory period. Each will cover lecture topics and lab materials studied in the previous week. The single lowest grade from the unit tests will be discarded. The average marks of the remaining tests will make up the 25% for the final grade. **Note:** There will be **no** supplementary weekly tests unless under exceptional circumstances. Missed laboratory unit tests will be given a grade of "0".

The final exam will cover all 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% | B = 73 - 76%  | D = 50 - 59% |
| A = 85 - 89%   | B- = 70 - 72% | F = 0 - 49%  |
| A- = 80 - 84%  | C+ = 65 - 69% |              |
| B+ = 77 - 79%  | C = 60 - 64%  |              |

## 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**

|    | <b>Week</b>    | <b>Lecture Topic</b>                             | <b>Laboratory</b>   |
|----|----------------|--|---|
| 1  | Jan.10 - 14    | Introduction - Cells                             | Introduction  |
| 2  | Jan.17 - 21    | Tissues  | Some basic terminology (Atlas A)                          |
| 3  | Jan.24 - 28    | Tissues<br>Integument                            | Tissues<br>Integument                                     |
| 4  | Jan.31 – Feb.4 | Skeletal system<br>Articulations                 | Axial skeleton  |
| 5  | Feb.7 - 11     | <b>Mid-term Exam I</b><br>Muscular system        | Appendicular skeleton<br>Bone structure                   |
| 6  | Feb.14 - 18    | Muscular system<br>Nervous system                | Articulations and Movement                                |
| 7  | Feb.21 -25     | Nervous system                                   | <b>No labs. this week (Reading Break)</b>                 |
| 8  | Feb.28 – Mar.4 | Nervous system                                   | Muscular system   |
| 9  | Mar.7 - 11     | Special senses<br>Endocrine System               | Central nervous system                                    |
| 10 | Mar.14 - 18    | <b>Mid-term Exam II</b><br>Cardiovascular system | Peripheral Nervous System<br>Eye and ear/endocrine glands |
| 11 | Mar.21 - 25    | Lymphatic System<br>Respiratory system           | Cardiovascular system<br>Lymphatic system                 |
| 12 | Mar.28 – Apr.1 | Digestive system                                 | Respiratory system<br>Digestive system                    |
| 13 | Apr.4 - 8      | Digestive system<br>Urinary system               | Urinary system<br>Reproductive systems                    |
| 14 | Apr.11 - 15    | Reproductive system                              | Course Review (Optional)                                  |

**Final lecture examination will be scheduled during formal exam period, Apr.18 - 29**