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

# BIOL 150: Human Anatomy
# Fall 2008

# 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

Text: Anatomy & Physiology: The Unity of Form and Function. Saladin, K., McGraw-Hill (2006) OR another college level textbook of anatomy or anatomy and physiology.

Biology 150 Laboratory Manual, Camosun College, 2008.

## 3. Course Particulars

| | |
|---|---|
| Class hours: | 3 hrs lecture/week<br>3 hrs lab/week |
| 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 1..... | 12.5% |
| Mid-term Exam 2..... | 12.5% |
| Final exam..... | 40% |
| Total | 100% |

There will be approximately15 assignments, to be completed by referring to texts and/or laboratory materials.

The Lab unit tests are a series of weekly tests, carried out during the first ~30 minutes of each laboratory period. Each will cover topics and lab materials studied in the previous week.

The final exam (3 hr) 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. A grade penalty of 1% per offense will be applied.

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, greatly 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. In the case of group assignments, aim to contribute equally and discuss disparities of effort within the group and with the instructor ASAP.

4. Hand in assignments on time. Late assignments will be accepted and graded **at the discretion of the instructor**. If there is a reason that an assignment is late, discuss this with the instructor AND provide a brief written or e-mail explanation.

5. 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. Make-up tests will not be arranged for missed weekly tests.

6. Be familiar with the Camosun College student conduct policy.

# BIOLOGY 150 COURSE SCHEDULE - FALL 2008

| Wk | Dates | Lecture Topic | Lab Theme |
|---|---|---|---|
| 1 | **Sept 1** | **Labour Day** | **College closed** |
| | Sept 2 - 5 | Introduction | 01 Body planes, directional terms, cavities and other warm-up exercises |
| 2 | Sept 8 – 12 | Cells and Tissues<br>Integumentary System | 02 Tissues and Integumentary System |
| 3 | Sept 15 -19 | Skeletal System | 03 Axial skeleton |
| 4 | Sept 22 - 26 | Articulations<br>Muscular System | 04 Appendicular skeleton |
| 5 | Sept 29 - Oct 3 | Muscular System<br>Nervous System | 05 Articulations and movement |
| 6 | Oct 6 - 10 | Nervous System | 06 Major muscles and actions -1 |
| 7 | **Oct 13** | **Thanksgiving** | **College closed** |
| | Oct 14 -17 | Nervous System<br>Endocrine System | 07 Major muscles and actions -2 |
| 8 | Oct 20 - 24 | Sensory Organs<br>Cardiovascular System | 08 Central Nervous System<br>(ovine brain dissection) |
| 9 | Oct 27 - 31 | Cardiovascular System | 09 Endocrine Organs/Peripheral Nervous System/Eye and ear<br>(ovine eye dissection) |
| 10 | Nov 3 - 7 | Respiratory System | 10 Cardiovascular/Lymphatic Systems<br>(ovine heart dissection) |
| 11 | Nov 10 | Respiratory System | |
| | **Nov 11** | **Remembrance Day** | **College closed** |
| | Nov 12- 14 | Digestive System | |
| 12 | Nov 17 - 21 | Digestive System<br>Urinary System | 11 Respiratory System |
| 13 | Nov 24 - 28 | Urinary System<br>Reproductive System | 12 Digestive System/Urinary System |
| 14 | Dec 1 - 5 | Reproductive System | 13 Reproductive System |
| | **Dec 8 - 16** | **Final Exam- TBA** | |