



School of Arts & Science  
 BIOLOGY DEPARTMENT  
 BIOL 152 – X05  
 Anatomy and Physiology 1  
 2011 Fall

## COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/biol.html>

Ω Please note: the College electronically stores this outline for five (5) years only.  
 It is **strongly recommended** you keep a copy of this outline with your academic records.  
 You will need this outline for any future application/s for transfer credit/s to other colleges/universities.

### 1. Instructor Information

|     |               |                         |                    |  |
|-----|---------------|-------------------------|--------------------|--|
| (a) | Instructor:   | Geoffrey Haywood, Ph.D. |                    |  |
| (b) | Office Hours: | 14.30 – 15.20 Thursdays |                    |  |
| (c) | Location:     | F344D                   |                    |  |
| (d) | Phone:        | 370-3506                | Alternative Phone: |  |
| (e) | Email:        | haywoodg@camosun.bc.ca  |                    |  |
| (f) | Website:      | D2L                     |                    |  |

### 2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

Upon completion of this course the student will be able to:

1. Use knowledge of normal anatomy and physiology to differentiate normal from abnormal when doing physical assessments of clients.
2. Use and understand correct terminology when communicating with other members of the health care team.
3. Use knowledge of anatomy and physiology as a basis for further study of pathophysiology.
4. Demonstrate the ability to apply knowledge of anatomy and physiology gained through laboratory activities to the clinical setting.
5. Help clients by explaining basic anatomy and physiology, nutrition and pharmacology in the maintenance of health and prevention of disease.

### 3. Required Materials

(a) Textbook: Martini et al. *Visual Anatomy & Physiology* Pearson Education Inc. San Francisco  
 OR another college level textbook of anatomy and physiology

(b) Lab Manual Biology 152 *Anatomy and Physiology* - Camosun College

#### 4. Course Content and Schedule

(This section can include: class hours, lab hours, out of class requirements and/or dates for quizzes, exams, lectures, labs, seminars, practicums, etc.)

| Week | Dates                        | Lecture Topics<br>(approximate schedule)   | Lab Activities  |
|------|------------------------------|--|---|
| 1    | Sept 5<br>Sept 6 – 9         | <b>LABOUR DAY (College closed)</b><br>Homeostasis,<br>Cells and Membrane Transport   | Introduction to Biol 152  |
| 2    | Sept 12 – 16                 | Tissues<br>Integumentary System  | <b>LAB 1:</b> Lab Safety, Anatomical Terminology and Systems Overview   |
| 3    | Sept 19 – 23                 | Integumentary System (cont'd)<br>Skeletal System   | <b>LAB 2:</b> Introduction to Microscopy and Tissues  |
| 4    | Sept 26 – 30                 | Skeletal System (cont'd)<br>Muscular System  | <b>LAB 3:</b> Tissues (cont'd) and Integumentary System   |
| 5    | Oct 3 – 7                    | Muscular System (cont'd)   | <b>LAB 4:</b> Intro to Skeletal System and Axial Skeleton   |
| 6    | Oct 10 (Mon)<br>Oct 11 – 14  | <b>THANKSGIVING DAY (College closed)</b><br>Intro to Nervous System<br>Neural Tissue & Action Potentials<br><b>MIDTERM EXAM (October 14, 5:30pm)</b> | <b>LAB 5:</b> Appendicular Skeleton and Articulations<br><b>NOTE:</b> students in a Monday lab section must attend another lab section this week. |
| 7    | Oct 17 – 21                  | Central Nervous System   | <b>LAB 6:</b> Muscular System   |
| 8    | Oct 24 – 28                  | Central Nervous System (cont'd)<br>Peripheral Nervous System   | <b>LAB EXAM #1 (Labs 1 – 6)</b><br>(in your usual lab time, location)   |
| 9    | Oct 31 – Nov 4               | Peripheral Nervous System (cont'd)<br>Sensory Perception   | <b>LAB 7:</b> Central Nervous System  |
| 10   | Nov 7 – 10<br>Nov 11 (Fri)   | Sensory Perception (cont'd)<br><b>REMEMBRANCE DAY</b><br><b>(College closed on Fri)</b>  | <b>NO LABS THIS WEEK</b>  |
| 11   | Nov 14 – 18                  | Endocrine System   | <b>LAB 8:</b> Peripheral Nervous System and<br><b>LAB 9A:</b> Anatomy of Eye and Ear, Sensory Perception (Part A: Ear Anatomy and Hearing)        |
| 12   | Nov 21 – 25                  | Endocrine System   | <b>LAB 9B:</b> Anatomy of Eye and Ear, Sensory Perception (continued from last week) and<br><b>LAB 10:</b> Endocrine System                       |
| 13   | Nov 28 – Dec 2               | Cardiovascular System  | <b>LAB 11:</b> Cardiovascular Anatomy   |
| 14   | Dec 5 – 9                    | Cardiovascular System  | <b>LAB EXAM #2 (Labs 1 – 11)</b><br>(in your usual lab time, location)  |
|      | Dec 12 – 17,<br>& Dec 19, 20 | <b>FINAL EXAM</b><br><b>(date and time scheduled by registrar)</b>   |   |

## 5. Basis of Student Assessment (Weighting)

(This section should be directly linked to the Intended Learning Outcomes.)

|                           |             |         |             |
|---------------------------|-------------|---------|-------------|
| Assignments, quizzes etc. |             |         | 15%         |
| Theory Exams              | Midterm     | Exam I  | 25%         |
|                           | Final Comp. | Exam II | 35%         |
| Lab exams                 | Midterm     | Exam I  | 10%         |
|                           | Midterm     | Exam II | 15%         |
|                           |             |         | <u>100%</u> |

## 6. Grading System

(No changes are to be made to this section unless the Approved Course Description has been forwarded through the Education Council of Camosun College for approval.)

### Standard Grading System (GPA)

| Percentage | Grade | Description   | Grade Point Equivalency |
|------------|-------|---|-------------------------|
| 90-100     | A+    |   | 9                       |
| 85-89      | A     |   | 8                       |
| 80-84      | A-    |   | 7                       |
| 77-79      | B+    |   | 6                       |
| 73-76      | B     |   | 5                       |
| 70-72      | B-    |   | 4                       |
| 65-69      | C+    |   | 3                       |
| 60-64      | C     |   | 2                       |
| 50-59      | D     | Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite. | 1                       |
| 0-49       | F     | Minimum level has not been achieved.  | 0                       |

### Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at [camosun.ca](http://camosun.ca) for information on conversion to final grades, and for additional information on student record and transcript notations.

| Temporary Grade | Description  |
|-----------------|--|
| I               | <i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.  |
| IP              | <i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. (For these courses a final grade will be assigned to either the 3 <sup>rd</sup> course attempt or at the point of course completion.) |
| CW              | <i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.  |

## 7. 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 the College web site in the Policy Section.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED

### STUDENT ASSIGNMENTS

Assignments will be given out on the Friday of each week and are due in on the following Wednesday – at the beginning of the lecture period.

Assignments received on the day due (Wednesday) will be marked out of 100% - but if not received until the following day will be marked out of 90%. There will be a further drop of 10% per day for any assignment not received until the following Monday. Any assignment not received by 1 week after being given out will receive a zero mark, unless there are mitigating circumstances.

Assignments **MUST** be printed as hard copies. Hand-written notes are **NOT** acceptable. Furthermore, assignments will **NOT** be accepted as emails unless there is a serious illness involved in their tardy return – for which a doctor's note will be mandatory.