



## 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:	Geoff Morris
(b)	Office Hours:	Tuesday/Wednesday 12:00-2:15
(c)	Location:	F340D
(d)	Phone:	250-370-3434
(e)	Email:	<a href="mailto:morrisg@camosun.bc.ca">morrisg@camosun.bc.ca</a>
(f)	Website:	<a href="http://online.camosun.ca/">http://online.camosun.ca/</a>

### 2. Intended Learning Outcomes

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

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. 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.

### 3. Required Materials

(a) Texts:

Fundamentals of Human Anatomy and Physiology, 11<sup>th</sup> edition, Martini, Nath & Bartholomew, Pearson Education, 2017.

The Anatomy Coloring Book, 4<sup>th</sup> edition. Kapit & Elson, Pearson Education, 2014.

Camosun College Biology 150 Human Anatomy Lab Manual, 2017-2018.

### 4. Course Content and Schedule

Lectures: Monday and Wednesday 2:30-3:50pm, Y201

Labs: Section B: Thursday 9:30am-12:20pm, F224  
Section A: Friday 9:30am-12:20pm, F224

A detailed, weekly course schedule can be found on the last page of this course outline.

## 5. Basis of Student Assessment (Weighting)

### (a) Assignments & Quizzes:

Pre-lab assignments (colouring book pages)	4%
Weekly quizzes (at the start of lab)	5%
Lab completion (post-lab)	1%
Dynamic Study Modules	5%
Lecture assignments (total of 5)	5%

### (b) Lecture Exams:

Midterm 1	15%
Midterm 2	15%
Final exam	25%

### (c) Lab Exams:

Lab Exam 1	12.5%
Lab Exam 2	12.5%

## 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. <i>(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.)</i>
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.

#### Plagiarism

Plagiarizing is appropriating the work or parts or passages of another's writing (including the ideas or language) and passing them off as the product of one's own mind or manual skill (see <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.1.pdf>). Plagiarism is a serious offence and is considered to be academic misconduct, and so **will not be tolerated**. Except where work is assigned to a group, all written work, **including lab data processing** and graphs, must be done individually.

#### Cheating

A student caught cheating on an exam will forfeit all credit for that exam and perhaps for the course. Cheating is a serious offence and is considered to be academic misconduct. Cheating includes, but is not limited to:

- (a) using unauthorized materials or resources in a quiz/exam, and
- (b) providing information to another person regarding exam content.

The consequences for cheating and plagiarism are outlined by Camosun College policies (see <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf>) and penalties may be severe.

#### Student Safety

**NOTHING** is more important to the instructor than students enjoying a safe class and lab environment. Consider the following issues:

<b>Lab footwear</b>	<ul style="list-style-type: none"><li>For safety reasons <b>WorkSafeBC</b> mandates that students are <b>required</b> to wear closed shoes in all lab times. Flip flops, sandals or shoes with holes are not acceptable.</li></ul>
<b>Eating &amp; drinking</b>	<ul style="list-style-type: none"><li>Absolutely <b>NOTHING</b> may be ingested while in the lab. Chewing gum and applying makeup or lip balm are similarly prohibited. <b>NO EXCEPTIONS</b> will be made, even for medications.</li><li>If something must be consumed, then it may be taken out of the lab.</li></ul>
<b>Hair</b>	<ul style="list-style-type: none"><li>It is recommended that long hair be tied securely to prevent it from being exposed to lab equipment.</li></ul>
<b>Handwashing</b>	<ul style="list-style-type: none"><li>Hands should be thoroughly washed <b>AFTER</b> removing lab coats and <b>BEFORE</b> leaving the lab.</li></ul>

#### Laboratory Attendance

Lab work is critical to the course objectives and much effort has been expended to ensure the lab experience is interesting and educational, both from academic and practical points of view. Therefore, attendance throughout the entire laboratory session is mandatory and will be noted. Labs will start promptly (after a five-minute grace period) because information necessary for performing the laboratory correctly and safely is given at the beginning of the lab. Late attendance may result in inability to attend the lab and subsequent loss of credit for any assignments. Lateness in arriving, failure to attend the lab or leaving the lab before its scheduled finish time will result in forfeiting credit for that lab, including any written assignments. If a lab session is missed, another student's data **may not** be used to complete a lab

assignment for credit. Exceptions can be made **at the instructor's discretion** in legitimate cases of emergency (e.g. illness); in such cases the instructor must receive **advance notification** and **documented evidence** of the situation (e.g. medical certificate) and grant approval for any accommodation. In cases when a lab is done over two weeks, missing one of the weeks without instructor approval will result in a 50% reduction in the grade for any assignment associated with that lab.

### Missed Lecture Exams

**Without exception**, all lecture exams must be written at the scheduled times. However, it is understood that emergency circumstances occur (e.g. illness or emergency in the immediate family); for such circumstances accommodation may be offered at the discretion of the instructor, provided the student: (a) notifies the instructor **in advance** of the exam (not after), and (b) provides documented evidence of the circumstance (i.e. medical certificate).

**\* HOLIDAYS OR SCHEDULED FLIGHTS ARE NOT CONSIDERED TO BE EMERGENCIES \***

Be sure not to make travel plans for the end of semester until the final exam schedules are finalized and posted. Please ask any family members who might make travel plans on your behalf to consult you before booking tickets.

**Without exception**, the accommodation will be in the form of adjusting the weighting of the final exam to make up the missing marks. **Under no circumstances will a make-up lecture exam be administered.** In such cases, the final exam will include extra questions to thoroughly examine knowledge of previously untested subject matter.

### Missed Lab Exams

Lab exams differ from lecture exams in their formatting and the fact that they cover lab content in a non-cumulative manner. Administering a makeup lab exam will be at the discretion of the instructor.

### Written Work

Lecture and lab assignments may be assigned at the instructor's discretion. It is the student's responsibility to be informed of any work expected and the dates the work is due. Assignments may be intended to be completed as individuals or as groups. The instructor will make clear which is which. Work intended to be submitted by an individual must be completed independently, keeping in mind student conduct requirements. Work intended for completion by a group **MUST NOT** be completed by an individual. Each person in a group will receive the same mark on any group work.

Unless otherwise indicated, all written material to hand in (including numerical entries in data tables) must be prepared using word processing (typically MS Word) or graphing software (e.g. Excel). The only exceptions are calculations and **some** graphs, which may be submitted handwritten or hand drawn. **Any exceptions will be clearly indicated.** Work submitted inappropriately formatted, which includes last-minute handwritten corrections, will not be marked until all formatting is correct. Since correcting formatting requires time, this will likely mean a late penalty will be assessed.

### Late Penalties

All assignments must be handed in by the **time indicated on the assignment**. If the instructor is not in the office, then slide your work under the office door. Late assignments will be graded but marks equivalent to 15% of the total value of the assignment will be deducted for each day past the deadline (weekends only count as one day).

### Study Habits

Good (and regular!!) study habits are required to do well in this course. You should plan on a minimum of 6 hours outside of scheduled class time for the completion of assignments and for general studying. Joining a study group can help make this more fun.

Lecture notes will be provided in point form. These should be used as a study guide, not as your sole source of information! You will need to write down additional key words for examples and explanations given during lecture. It is also recommended practice to transcribe these notes into a study-friendly format after each lecture, incorporating additional information from your textbook. Study these notes before the next class to prepare yourself for new material, which will often build on previously covered material.

Please take advantage of office hours if you need extra clarification and help, or simply would like to discuss a topic a little further.

### Summary of Student Responsibilities

1. Attending classes and actively engaging in lecture times are optimal for learning and therefore are in the best interests of student success. Should it be necessary to miss a lecture, however, it is the student's responsibility to catch up on anything that may have been missed (e.g. important announcement or assignments).
2. Students must hand in required assignments on time or be subject to penalty.
3. Evaluation of written or oral work will not be given if a student is not present.
4. Students must work independently, except when a group effort is required.
5. Students must know and follow all Safety Rules and Procedures. Students must sign the Safety Contract before participating in any laboratory activity.
6. All safety measures must be followed, with **NO EXCEPTIONS**.
7. The use of cell phones is prohibited in the lab.
8. All laboratories start punctually.



## Detailed Course Schedule\* – Biol 150-002A/B (Geoff Morris) Fall 2017

\*Please note: the following is a tentative schedule of course topics and events. Any changes to this schedule will be announced in class and posted on D2L.

\*\* Text book chapters noted here will be covered, at least in part. However, in many cases we will not be covering the whole chapter in Biology 150. More specific page and figure numbers will be referenced during our lectures.

Week	Lecture Topics	Text Book Chapter**	Labs
1 (Sep 5-8)	Introduction Tissues (histology)	1 4	Lab 1 Introduction & Histology
2 (Sep 11-15)	Tissues (cont'd) Skeletal System	4 6, 7, 8	Lab 2 Axial Skeleton
3 (Sep 18-22)	Skeletal System (cont'd)	6, 7, 8	Lab 3 Appendicular Skeleton
4 (Sep 25-29)	Articulations Muscular System	9 10, 11	Lab 4 Muscular System (mostly axial)
5 (Oct 2-6)	Cardiovascular System <b>(Midterm 1 – Wed, Oct 4)</b>	20, 19, 21	Lab 5 Muscular System (mostly appendicular) and Articulations
6 (Oct 9-13)	Thanksgiving Day (Monday) Cardiovascular (cont'd)	20, 19, 21	Review (Labs 1-5)
7 (Oct 16-20)	Cardiovascular (cont'd) Lymphatic System	20, 19, 21 22	<b>Lab Exam 1</b>
8 (Oct 23-27)	Respiratory System Digestive System	23 24	Lab 6 Cardiovascular and Lymphatic Systems
9 (Oct 30-Nov 3)	Digestive System (cont'd) Urinary System Reproductive Systems	24 26 28, 29	Lab 7 Respiratory and Digestive Systems
10 (Nov 6-10)	Rep. Systems (cont'd) <b>(Midterm 2 – Wed, Nov 8)</b>	28, 29	Lab 8 Urinary and Reproductive Systems
11 (Nov 13-17)	Remembrance Day (observed) Nervous System	12, 13, 14, 16	Lab 9 Central Nervous System
12 (Nov 20-24)	Nervous System (cont'd) Sensory Organs	13, 14, 16 15, 17	Lab 10 Peripheral Nervous System, Eye and Ear
13 (Nov 27-Dec 1)	Senses (cont'd) Integumentary System	15, 17 5	Lab 11 Integumentary System and Endocrine System plus Lab Review
14 (Dec 4-8)	Endocrine System	18	<b>Lab Exam 2</b>
<b>Final exam (to be scheduled by College registrar and posted on Camlink)</b>			

