



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

**BIOL-143-001**  
**Anatomy for Sport Education**  
**Winter 2020**

## **COURSE OUTLINE**

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

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

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### **1. Instructor Information**

<b>(a) Instructor</b>	Laura Biggs (lecture) and Brooke Cameron (laboratory)
<b>(b) Office hours</b>	Laura – Wednesday 10:30am-11:15am* Brooke – Monday 10:30am-1:30pm, Wednesday 12:30pm-2:30pm* *also by appointment, please e-mail
<b>(c) Location</b>	Laura – Interurban CC 118A, Brooke – Lansdowne Fisher 246
<b>(d) Phone</b>	Laura – 250-370-4611, Brooke – 250-370-3196
<b>(e) E-mail</b>	Laura – <a href="mailto:BiggsL@camosun.bc.ca">BiggsL@camosun.bc.ca</a> , Brooke – <a href="mailto:CameronB@camosun.bc.ca">CameronB@camosun.bc.ca</a>
<b>(f) Website</b>	<a href="http://online.camosun.ca">http://online.camosun.ca</a> – Log in to D2L to access course materials

### **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 major human organ systems in slides, models, dissections and specimens.
3. Visualize and interpret the relationships between anatomical structures and describe these relationships using regional and directional terminology.
4. Relate anatomical structures to their basic functions.
5. Define anatomical and physiological terms, and apply this terminology in the context of human health and exercise science.
6. Develop basic microscopy and dissection skills.

### **3. Required Materials**

**(a) Textbooks:**

Fundamentals of Human Anatomy and Physiology, 11<sup>th</sup> edition, Martini, Nath & Bartholomew, Pearson Education, 2018.

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

(b) **Lab Manual:**

Camosun College Biology 143 Anatomy for Sport Education Lab Manual (posted weekly on D2L – please bring a printed copy to each lab)

(c) **Lecture Resources:**

Lectures will be delivered in a PowerPoint format. The slides will be made available on the course D2L website, along with additional resources for review. Slides may be downloaded or printed to help follow the lectures.

#### 4. Course Content and Schedule\*

<b>Lectures:</b>	Mondays	4:00PM – 5:20PM	PISE 329B
	Wednesdays	11:30AM – 12:50PM	CBA 271
<b>Laboratory:</b>	Tuesdays	8:30AM – 11:20AM	TEC 230

*\*Please see lecture/lab schedule on the last page for more details.*

#### 5. Basis of Student Assessment (Weighting)

(a) **Assignments & Quizzes:**

Pre-lab assignments (colouring book pages)	5%
Weekly quizzes (at the start of lab)	5%
Post-lab assignments (end-of-lab check)	2%
Lecture assignments and in-class activities	13%

(b) **Lecture Exams:**

Midterm #1 (Mon Feb 3)	12.5%
Midterm #2 (Mon Mar 16)	12.5%
Final exam (April 14-22, TBA)	25%

(c) **Lab Exams:**

Lab Exam #1 (Week 8 in-lab: Tues Feb 25)	12.5%
Lab Exam #2 (Week 14 in-lab: Tues April 7)	12.5%

*Note: Midterms and Lab Exams are NOT cumulative, but the Final Exam will be cumulative. More detailed information about assignments, quizzes, and exams will be given in class.*

#### 6. Grading System

Standard Grading System (GPA)

Competency Based Grading System

## 7. Recommended Materials 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 website 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 will not be tolerated.** Plagiarism, **including the copying of any part of assignments**, is a serious offence and is considered to be academic misconduct. In some cases, the instructor may prefer an assignment to be written as a group. In such cases, handing in one assignment for the group will be acceptable. Otherwise, lecture and lab assignments handed in by individuals are expected to be individually prepared.

#### Cheating

A student caught cheating on an exam will at minimum forfeit all credit for that exam. Cheating is a serious offence and is considered to be academic misconduct. **Cheating includes, but is not limited to, using unauthorized materials in a quiz/exam and 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.

#### Laboratory Safety

Laboratory safety requirements will be outlined during the first lab period. Failure to adhere to the lab safety principles will result in the inability to enter the lab or expulsion from the lab, resulting in **loss of credit** for that lab and any related assignments.

#### Laboratory Attendance

Attendance throughout each laboratory session is mandatory and will be recorded. **Please read through each exercise before coming to the lab.** Labs will start promptly - information necessary for performing the laboratory correctly and safely is given at the beginning of the lab. Lateness in arriving, failure to attend the lab, or leaving the lab early will result in forfeiting credit for that lab, including any quizzes, in-lab assignments, and pre- or post-lab assignments. Lab assignments can only be submitted for labs actually attended. If a lab session is missed, another student's data/observations **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. significant illness); in such cases the instructor must receive **advance notification** and **documented evidence** of the situation (e.g. medical certificate) to grant approval for any accommodation.

## Missed Exams

**Without exception**, all lecture and lab 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 documentation).

In the event of emergency circumstances, it is at the instructor's discretion whether to administer a make-up exam or adjust the weighting of the final exam to make up the missing marks. Note that holiday travel is NOT considered an emergency. Be sure not to make any travel plans for the end of the semester under the final exam schedules are finalized and posted.

## 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, as indicated by the instructor. Work intended to be submitted by an individual must be **completed independently**, keeping in mind student conduct requirements. Each person in a group will receive the same mark on any group work. Please submit written work professionally (e.g. stapled, neat, no torn pages) and in the format requested by the instructor. Incorrect formatting will result in late penalties and delayed grading.

## Late Penalties

All assignments must be handed in at the **beginning** of the class period on the due date. Late assignments will be graded but marks equivalent to **10%** of the total value of the assignment will be deducted for each day past the deadline (weekends only count as one day). Late assignments will not be accepted once marked assignments have been returned to the class.

## Study Habits

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

Lecture notes will be posted on D2L 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 notes for examples and explanations given during lecture. It is also recommended 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 contact your instructor if you need help understanding the course material.

## 8. College Supports, Services and Policies



### Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ <http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

### College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at <http://camosun.ca/>

## College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at <http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

### A. GRADING SYSTEMS <http://camosun.ca/about/policies/index.html>

The following two grading systems are used at Camosun College:

#### 1. 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		1
0-49	F	Minimum level has not been achieved.	0

#### 2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

## B. 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 at <http://camosun.ca/about/policies/index.html> 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 are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
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.

## Course Schedule for Biology 143-001 Winter 2020

Note: The following is a **tentative** schedule of course topics and events. Course topics may be added or deleted as time permits. Any changes to this schedule will be announced in class and posted on D2L.

Week	Lecture Topics (Mon/Weds)	Textbook Chapter(s)*	Lab Topics (Tuesdays)
1 (Jan 6-10)	Course Introduction Tissues (Histology)	1 4	Lab 0 Introduction
2 (Jan 13-17)	Tissues cont'd Skeletal System	4 6,7,8	Lab 1 Histology
3 (Jan 20-24)	Skeletal System cont'd Articulations	6,7,8 9	Lab 2 Axial Skeleton
4 (Jan 27-31)	Muscular System	10,11	Lab 3 Appendicular Skeleton
5 (Feb 3-7)	<b>MIDTERM 1 – Mon Feb 3</b> Cardiovascular System	20,19,21	Lab 4 Muscles of Axial Skeleton
6 (Feb 10-14)	Cardiovascular System cont'd	20,19,21	Lab 5A Muscles of Appendages AND Lab 5B Articulations
7 (Feb 17-21)	<b>COLLEGE CLOSED – FAMILY DAY &amp; READING BREAK</b>		
8 (Feb 24-28)	Lymphatic System Respiratory System	22 23	<b>LAB EXAM 1</b>
9 (Mar 2-6)	Digestive System	24	Lab 6 Cardiovascular and Lymphatic Systems
10 (Mar 9-13)	Urinary System Reproductive Systems	26 28,29	Lab 7 Respiratory and Digestive Systems
11 (Mar 16-20)	<b>MIDTERM 2 – Mon March 16</b> Nervous System	12,13,14,16	Lab 8 Urinary and Reproductive Systems
12 (Mar 23-27)	Nervous System cont'd Sensory Organs	12,13,14,16 15,17	Lab 9 Central Nervous System and Peripheral Nervous System
13 (Mar 30-Apr 3)	Sensory Organs cont'd Integumentary System	15,17 5	Lab 10 Eye and Ear, Integumentary System and Endocrine System
14 (Apr 6-10)	Endocrine System	18	<b>LAB EXAM 2</b>
<b>Apr 14-22</b>	<b>Final Exam (to be scheduled by College Registrar and posted on Camlink)</b>		

\*Textbook chapters noted here will be covered, at least in part. However, in some cases we will not be covering the whole chapter in Biology 143. Only the topics covered during class will be tested on exams.

### **IMPORTANT DATES:**

January 16 – Drop with tuition refund deadline, March 9 – Last day to drop without academic penalty

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