



CAMOSUN COLLEGE
School of Arts & Science
Department of Biology

BIOL-143-001
Anatomy for Sport Education
Winter 2019

COURSE OUTLINE

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.

1. Instructor Information

(a)	Instructor:	Brooke Cameron, BEd., MSc.
(b)	Office Hours:	Interurban: Mondays 1:30pm-2:30pm, Tuesdays 10:30am-11:30am Lansdowne: Wednesdays and Fridays 10:00am-11:30am
(c)	Location:	Interurban: Location TBD; Lansdowne Campus: F246
(d)	Phone:	250-370-3196
(e)	Email:	CameronB@camosun.bc.ca
(f)	Website:	http://online.camosun.ca (D2L)

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) Text: *Human Anatomy (9th ed.)*, Martini, F., Tallitsch, R. & J. Nath (2018) or *Human Anatomy (7th ed.)*, Martini, F., Timmons, M. J. & R.B. Tallitsch (2009)
- (b) *The Anatomy Coloring Book*, 4th edition. Kapit & Elson, Pearson Education, 2014.
- (c) BIOL 143 Anatomy for Sport Education Lab Manual - Available on D2L

4. Course Content and Schedule

Lectures:

Tuesday 11:30am – 12:50pm PISE 329B
 Friday 1:00pm – 2:20pm PISE 329A

Labs:

Monday 10:30am – 1:20pm Technology Building, Room 230

*Please note: the following is a tentative schedule of course topics and events. Any changes to this schedule will be announced in class and/or 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	Date	Lecture Topics	Textbook Chapter	Labs
1	Jan 7 – Jan 11	Introduction Tissues (histology)	1 4	Lab 1 Introduction & Histology
2	Jan 14 – Jan 18	Tissues(cont'd) Skeletal System	4 6, 7, 8	Lab 2 Axial Skeleton
3	Jan 21 – Jan 25	Skeletal System (cont'd) Articulations	6, 7, 8 9	Lab 3 Appendicular Skeleton
4	Jan 28 - Feb 1	Muscular System	10, 11	Lab 4 Muscles of Axial Skeleton
5	Feb 4 – Feb 8	(Midterm #1 – Tues, Feb 5) Cardiovascular System	20, 19, 21	Lab 5A Muscles of Appendages <i>and</i> Lab 5B Articulations
6	Feb 11 – Feb 15	Cardiovascular System (cont'd)		LAB EXAM #1
7	Feb 18 – Feb 22	COLLEGE CLOSED: Family Day + Reading Break		
8	Feb 25 – Mar 1	Lymphatic System Respiratory System	22 23	Lab 6 Cardiovascular and Lymphatic Systems
9	Mar 4 – Mar 8	Digestive System	24	Lab 7 Respiratory and Digestive Systems
10	Mar 11 – Mar 15	Urinary System Reproductive Systems	26 28, 29	Lab 8 Urinary and Reproductive Systems
11	Mar 18 – Mar 22	(Midterm #2 – Tues, Mar 19) Nervous System	12, 13, 14, 16	Lab 9 Central Nervous System and Peripheral Nervous System
12	Mar 26 – Mar 29	Nervous System (cont'd) Sensory System	12, 13, 14, 16 15,17	Lab 10 Eye and Ear, Integumentary System and Endocrine System
13	Apr 2 – Apr 5	Sensory System (cont'd) Integumentary System	15, 17 5	Lab Exam Review
14	Apr 8 – Apr 12	Endocrine System and Review	18	LAB EXAM #2
15	Apr 15 - Apr 26	FINAL EXAM – date & time TBA		

5. Basis of Student Assessment (Weighting)

(a) Assignments and Quizzes

Pre-lab assignments (colouring book pages)	5%
Weekly pre-lab quizzes (at the start of lab)	5%
Post-lab assignments (end-of-lab check)	2%
Lecture assignments/quizzes	8%

(b) Lecture Exams

Midterm #1 (Tuesday, Feb. 5)	15%
Midterm #2 (Tuesday, March 19)	15%
Final exam (April 15 - April 26, TBA)	25%

(c) Lab Exams

Lab Exam #1 (Week 6 in-lab: Mon., Feb 11)	12.5%
Lab Exam #2 (Week 14 in-lab: Mon., Apr 8)	12.5%

6. Grading System

Standard Grading System (GPA)

Competency Based Grading System

7. Recommended Materials to Assist Students to Succeed Throughout the Course

Note: This course is very information dense and will require a significant amount of study time; success in Biology 143 will depend on your ability to stay on top of the material weekly.

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.

Lecture Attendance

Students are expected to attend all classes and be on time. If an in-class assignment was missed, it cannot be made up. It is your responsibility to acquire *all* information given during a class missed, incl. notes, hand-outs, assignments, laboratory data, changed exam dates etc.

Laboratory Attendance

A 1% final grade penalty applies to any unexcused absence from lab. Lab assignments can only be handed in for labs actually attended (except in cases of documented illness/emergency). You are encouraged to discuss assignments with your lab partner, however, **each assignment has to be your individual work – beware of plagiarism**. It is absolutely necessary to read and mentally **work through each exercise before coming to lab**. Late attendance will not be tolerated and 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.

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 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.

*** 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.

Missed Lab Exams

Without exception, all lab exams must be written at the scheduled times. Lab exams differ from lecture exams in their formatting and the fact that they cover lab content in a non-cumulative manner. Due to the nature of our shared lab space with other courses, lab exams cannot be made up outside of our regularly scheduled lab time.

In the event of emergency circumstances (see previous page), it is at the instructor's discretion whether to adjust the weighting of the lab exams to make up the missing marks.

Written Work and Late Penalties

Unless otherwise stated, all assignments are due at the *beginning* of the lab/class of the due date. There is a **10%/day non-negotiable late penalty** (rounded to the nearest full mark) except in cases of documented illness/emergency. Late assignments will **not** be accepted after marked assignments have been returned to the rest of the class one week after the due date. A **professional format** is expected, i.e. a neat, legible, clean copy. "Rough" drafts risk rejection and a subsequent late penalty or reduced marks. If the assignment is more than one page, separate pages **must be stapled**.

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**. A student caught plagiarizing will forfeit all credit for the assignment and perhaps the course. 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

Consider the following laboratory safety practices:

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

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.

Lecture notes will be posted on D2L in PDF 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 and read the chapters assigned to each week. 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. Regularly attending classes and actively engaging in lecture times.
2. It is the student's responsibility to catch up on anything that may have been missed (e.g. important announcement or assignments).
3. Students must hand in required assignments on time or be subject to penalty.
4. Students must work independently, except when a group effort is required (cheating and plagiarizing may result in a loss of credit for that assignment or exam, or potentially loss of credit for the course).
5. Students **MUST** be present for all lecture and lab exams and midterms.
6. Students must know and follow all Safety Rules and Procedures, with **NO EXCEPTIONS**.
7. The use of cell phones is prohibited in the lab and during any exams.
8. All labs and lectures start punctually.

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.
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