



CAMOSUN COLLEGE
School of Arts & Science
Department of Biology

BIOL-143-001A-D
Anatomy for Sport Education
Fall 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	Douglas Panton	
(b) Office hours	TBA	
(c) Location	Tech 219	
(d) Phone	250-370-4406	Alternative: _____
(e) E-mail	Pantond@camosun.bc.ca	
(f) Website	https://sites.camosun.ca/peggyhunter	

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) Texts
Human Anatomy 7th edition, Martini, F., Timmons M., and Tallitsch, R. (2009).

4. Course Content and Schedule

Class hours: 3 hrs. lecture/week
3 hrs. lab/week

Out of class study: **6 hrs./week minimum***

*** 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**

COURSE SCHEDULE – FALL 2019

The following is a **tentative** schedule and will remain flexible as the semester proceeds. Whenever possible, lab material will be integrated into lectures.

Refer to the **Course Objectives in your lab manual** for specific learning outcomes.

Week	Dates	Lectures	Labs
1	Sept. 3 – 6	Introduction <ul style="list-style-type: none"> - Levels of organization - Cells (self-review) Tissues (intro; tissues will be covered in details labs 2 and 3)	Lab 1 <ul style="list-style-type: none"> - Body planes, directional terms, cavities - Introduction to systems
2	Sept. 9 – 13 Sept. 17	Integumentary system Skeletal System FEE DEADLINE	Lab 2 and 3 Lab 2 <ul style="list-style-type: none"> - Cell structure - Microscopy - Tissues (intro) Lab 3 <ul style="list-style-type: none"> - Tissues (cont'd) - Integumentary system
3	Sept. 16 – 20	Skeletal system	Lab 4 <ul style="list-style-type: none"> - Bone structure - Axial skeleton
4	Sept. 23 – 27	Articulations	Lab 5 Appendicular skelton <ul style="list-style-type: none"> - Articulations (joints, fascia, bursae, ligaments)
5	Sept. 30 – Oct. 4	Muscular system	Lab 6 <ul style="list-style-type: none"> - Muscle tissue - Introduction to major muscles and their actions
6	Oct. 7 – 11	Muscular System (cont'd)	Lab exam #1 (Labs 1 – 6)
7	Oct. 14 – 18	Lecture exam #1 (up to and including muscle) Thanksgiving Nervous system	NO LABS this week
8	Oct. 21 – 25	Nervous system (cont'd)	Lab 7 <ul style="list-style-type: none"> - Major muscles and their actions
9	Oct. 28 – Nov. 1	Endocrine system Cardiovascular system	Lab 8 <ul style="list-style-type: none"> - Central nervous system - Brain and spinal cord
10	Nov. 4 – 8	Cardiovascular system (cont'd) Lymphatic system	Lab 9 <ul style="list-style-type: none"> - Peripheral nervous system - Eye and ear

			- Endocrine glands
11	Nov 11 Nov 11 – 15	Remembrance day Lecture exam #2 Respiratory system	NO LABS this week
12	Nov. 18 – 22	Digestive system	Lab 10 - Blood smears - Heart - Arteries/veins/capillaries - Lymphatic system
13	Nov. 25 – 29	Urinary and reproductive system Lecture exam #3	Lab 11 - Respiratory system - Digestive system - Urinary system
14	Dec. 2 – 6	Urinary and reproductive system	Lab exam #2 Labs 7 – 11
15	Dec. 9 – 17	FINAL EXAM -scheduled by registrar	Final exam

5. Basis of Student Assessment (Weighting)

Lab exams	X2	25%
Lab quizzes	X10	15%
Word exams	X5	5%
Lecture exams	X2	25%
Lecture final exams	X2	30%

6. Grading System

- Standard Grading System (GPA)
- Competency Based Grading System

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

STUDENT RESPONSIBILITIES

1. Students are expected to hand in any required assignments on time. Assignments are due at the **beginning** of the class period on the due date. Assignments not handed in at the beginning of class will be considered late, for which there is a 10% penalty/day.
2. Attendance correlates highly with academic success. If unable to attend a lecture or lab session the student is responsible for arranging with a classmate to obtain information such as notes, handouts and announcements.
3. Examinations must be written as scheduled except in the case of illness or emergency. The student must notify the instructor **in advance** of the examination. Documentation acceptable to your instructor is required to schedule a make-up exam. **Work schedules, and vacation or travel plans do not constitute an emergency and exams will not be rescheduled.**
4. Any evaluation of work for in-class/lab assignments, reports and/or participation will not be given if a student is not present for any reason.
5. Quizzes will be written at the beginning of class; if you are late for class you will not be allowed to write the quiz.
6. Students are expected to work independently on assignments unless instructed that the evaluation is based on group effort. Please see ACADEMIC MISCONDUCT.

CONCERNING SPELLING

Mastering the usage of anatomical and physiological terminology will be important to you for several reasons. Correct usage (pronunciation and spelling) will:

- Foster self confidence
- Help to earn the respect of your professional colleagues
- Reduce the chances of practical mistakes which may cause harm or embarrassment. Consider the difference between the terms **peroneal** and **perineal** or **ileum** and **ilium**

You will be expected to use acceptable pronunciation and correct spelling for presentations, assignments and exams. Penalties for spelling errors will be applied. If writing is illegible, no marks will be given.

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.