



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

**BIOL-153-001**  
**Anatomy/Physiology 2: Nursing**  
**Winter 2018**

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## **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**

**Instructor:** Peggy Hunter

**Office hours:** Tuesday 1:30-2:30    Wednesday 1:30-2:30    (open office hours F248C)  
Thursday 11:30-12:30    Friday 1:00-2:00    (**tutorials** location TBA)

**Location:** F248C

**Phone:** 250-370-3427

**Email:** [hunterp@camosun.bc.ca](mailto:hunterp@camosun.bc.ca)

**Website:** <https://sites.camosun.ca/peggyhunter/>

### **2. Intended Learning Outcomes**

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

1. Demonstrate proper use and understanding of anatomical and physiological terminology related to organ systems not previously covered in BIOL 152.
2. Use concepts related to basic anatomy, physiology, and histology in order to explain the maintenance of health and prevention of disease.
3. Use knowledge of normal anatomy and physiology to differentiate normal from abnormal when doing physical assessments of clients.
4. Use knowledge of anatomy and physiology as a basis for further study of pathophysiology.
5. Relate knowledge of gross anatomy and physiological processes gained through laboratory activities to assessment of health.
6. Explain the functional integration of all body systems in the maintenance of homeostasis and health.

### **3. Required Materials**

- a) Martini, Nath and Bartholomew (2018). *Fundamentals of Anatomy and Physiology Eleventh Edition*, Pearson Education Inc. San Francisco.
- b) Department of Biology. (2018). *Biology 153 Anatomy & Physiology 2 Laboratory Manual*, Camosun College, Victoria.
- c) Students are required to wear closed shoes (e.g. no flip flops, sandals, or shoes with holes) **and** a laboratory coat during all lab sessions. (Cloth coats are preferable but disposable ones are acceptable.) If you forget your lab coat when one is required, you may rent one for \$5. Without proper protective clothing and shoes, you will not be permitted to attend that lab.

#### 4. Course Content and Schedule

see last page

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

There will be two theory examinations and two laboratory examinations. Examination questions in Biology 153 will incorporate critical thinking and problem-solving. Marks will also be awarded for prelab work, quizzes and assignments. Examinations will be given at times indicated on the Course Schedule. Assignments will be due at times as announced in class. Please see STUDENT RESPONSIBILITIES.

D2L Prelabs	5%
Assignments and quizzes	10%
Midterm Lecture Exam ( <b>February 28<sup>th</sup>, 6:30 – 8:00 pm</b> )	25%
Lab Exam I (midterm)	10%
Lab Exam II (final)	15%
Final Comprehensive Lecture Exam	35%
	TOTAL 100%

#### IMPORTANT TO NOTE!

Exams must be written at the scheduled times. If a student is unable to attend an exam because of a genuine medical or other emergency, **the instructor must be notified in advance of the examination.** Late notifications will not be accommodated. Once an exam is written, there will be no rewrites or supplementals given. Upon submission of acceptable supporting documentation, the following accommodations will be available:

- if the Midterm Lab Exam is missed, the Final Lab Exam will be extended and will count for 25% of the final grade
- if a student is unable to take the final laboratory examination and provides acceptable documentation, an oral laboratory examination may be given
- if the Midterm Lecture Exam is missed, a make-up Lecture Exam will be scheduled during week 11. **This exam will cover all topics up to and including week 10.**
- if the Final Lecture Exam is missed, the student will receive a mark of incomplete and will have 6 weeks from the last day of classes to write the exam. However, students will not be able to begin clinical practice until they are confirmed to have a minimum of 60% in Biology 153.

***Vacation plans and scheduled flights do not constitute an emergency.***

#### 6. Grading System

Standard Grading System (GPA) see page 4 for details

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.
2. D2L Prelab quizzes must be completed before the start of lab in order to be graded.
3. Assignments are due at the beginning of class. Late assignments will receive a penalty of 10% per day.
4. Attendance is important to ensure success. If unable to attend a session, the student is responsible for arranging with a classmate to obtain information such as notes, handouts and announcements.
5. Examinations must be written as scheduled. Exceptions may be made for emergencies at the discretion of the instructor and only if documentation of the illness or emergency acceptable to the department is received. The student must notify the instructor **in advance** of the examination. For more information, see page 2.
6. 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.
7. Students are expected to work independently on assignments unless instructed that the evaluation is based on group effort and evaluation.
8. Students must know and follow all Safety Rules and Procedures.
9. Students must sign the Safety Contract before participating in any laboratory activity.
10. Failure to follow the Safety Rules and Procedures will result in penalties at the discretion of the instructor.
11. Students must turn off cell phones and pagers during lectures and laboratory sessions.
12. All laboratories start punctually. Information necessary for performing the laboratory correctly and safely is given at the beginning of the lab.

### 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**.

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.

### 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.

## 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, centre for accessible learning (CAL), 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	Minimum required to continue in Biology 252.	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

## 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.

## BIOLOGY 153 COURSE SCHEDULE WINTER 2018

The following is a **tentative** schedule of lectures and labs. Changes may be announced in class.

Week	Dates	Lecture	Lab activity
1	Jan 8 – 12	Hemostasis Cardiovascular anatomy	Review Hematology
2	Jan 15 – 19	Cardiovascular anatomy Cardio physiology	LAB 1: Lab Safety (Review) and Hematology
3	Jan 22 – 26	Cardio physiology (2)	LAB 2: Cardiovascular anatomy
4	Jan 29–Feb 2	Blood pressure Capillary exchange	LAB 3: Cardiovascular physiology
5	Feb 5 – 9	Respiratory system (2)	LAB 4: Respiratory system A&P
6	<b>Feb 12</b> <b>Feb 13 – 16</b>	<b>Family Day (College closed)</b> <b>READING BREAK</b>	<b>NO LABS</b>
7	Feb 19 – 23	Respiratory system Lymphatic System	<b>MIDTERM LAB EXAM</b>
8	Feb 26–Mar 2 <b>Feb 28</b>	Immunology (2) <b>MIDTERM LECTURE EXAM *</b>	Lab 5: Microbiology 1
9	Mar 5 – 9	Immunology Digestive system	LAB 6: Microbiology 2
10	Mar 12 – 16	Digestive system (2)	LAB 7: Lymphatic system and blood typing
11	Mar 19 – 23	Digestive system Metabolism	LAB 8 : Digestive System A&P
12	Mar 26 – 30 <b>Mar 30</b>	Metabolism (1) <b>Good Friday (College closed)</b>	LAB 9: Nutrition and Metabolism
13	<b>Apr 2</b> Apr 2 – 6	<b>Easter Monday (College closed)</b> (Metabolism) Urinary System	LAB 10: Urinary System A&P
14	Apr 9 – 13	Urinary System Fluid Acid Base Balance	<b>FINAL LAB EXAM</b>
	Apr 16 – 24	<b>FINAL COMPREHENSIVE EXAM</b> (Date TBA)	

(\* the midterm will be scheduled **outside of normal class time in the evening** on **Wednesday, February 28<sup>th</sup> from 6:30-8:00 pm in F100**)