CAMOSUN COLLEGE	**School of Arts & Science** **BIOLOGY DEPARTMENT** **BIOL 152** **Anatomy/Physiology 1: Nursing** **Fall 2017**

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

Instructor:	Jennifer Giuliani
Office Hours:	Tuesdays 1:30-2:50pm; Wednesdays 1:30-2:50pm; Fridays 10:00am-12:00pm
Location:	F352
Phone:	250-370-3445
Email:	GiulianiJ@camosun.bc.ca
D2L:	http://online.camosun.ca
Tutorial:	(Options to be discussed in week 1)

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 half of the organ systems. The remaining systems will be covered in Biology 153.
2. Use concepts related to basic anatomy, physiology and histology to explain the maintenance of health and prevention of disease.
3. Use knowledge of normal anatomy and physiology to differentiate normal from abnormal.
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.

3. Required Materials

(a) Required Texts

Martini, Nath and Bartholomew. (2018). *Fundamentals of Anatomy and Physiology Eleventh Edition*, Pearson Education Inc. San Francisco.

Department of Biology. (2017). *Biology 152 Anatomy & Physiology I Laboratory Manual,* Camosun College*,* Victoria.

(b) Optional Texts

Krieger, P.A. (2009). *A Visual Analogy Guide to Human Anatomy.* (2nd Ed.) Morton Publishing Company, Colorado.
(This book is not required. Please consult your instructor if you have any questions about this text.)

(c) Laboratory requirements

1. 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.**

2. Binder for laboratory manual, notes and assignments.

(d) Knowledge of pre-requisite material

It is important that you are familiar with material that has already been covered in the pre-requisite courses, Biology 12 or Biology 080 and Chemistry 11. This information is necessary in order to understand concepts taught in Biology 152. Students are expected to review this prerequisite material on their own, especially those topics listed as "**review**" in the course objectives and chapters 2 and 3 in your textbook. This information, as it relates to topics covered in the course, is also examinable.

You will obtain information from several sources including lectures, class discussions, textbooks, videos, laboratory exercises and clinical courses. Do not rely exclusively on any one, or only some of the sources. A strongly recommended approach to successfully completing this course is to review topics in your textbook before class and then consolidate information obtained in lectures with that in the textbook, after class.

4. Basis of Student Assessment (Weighting)

D2L prelabs ……	5%
Assignments, quizzes, prelabs in manual ……....	10%
Midterm lecture exam **(Fri, Oct 20, 6:30-7:50 pm)**…….	25%
Lab exam #1 ……	10%
Lab exam #2 (comprehensive)…..…….……..	15%
Final comprehensive theory exam ……	35%

- The lecture exams will cover topics that have been discussed during lectures. Many of these topics may also be reinforced in the laboratory.

- Laboratory exams include a practical component; for example, the identification of structures from anatomical models, dissections and slides; the following web site may be useful in reviewing lab material as it provides labeled images of tissues and models examined in the lab:
  website https://sites.camosun.ca/peggyhunter

- The final lecture and lab exams are comprehensive, covering the entire semester.

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 Biology 153 or other courses in the nursing program until they are confirmed to have a minimum of 60% in Biology 152.

Vacation plans and scheduled flights do not constitute an emergency.

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.

D2L QUIZZES AND PRELABS

Each week, your prelab activities will involve 2 components, both of which must be completed before you attend lab. The order in which you do the activities is up to you, but it is strongly recommended that once you have completed the D2L quizzes, submitted your answers and received feedback, that you use this information to ensure that the answers you have in your lab manual are correct.

- The prelab assignment is described on the first page of every lab, and usually involves labelling diagrams, filling in tables or answering questions in your lab manual. It is suggested that you use your lecture notes or textbook to help you complete this part of your prelab work. Each week, at the beginning of lab, the instructor will check your lab for completion and will assign you a mark out of 1. Completion of all prelabs in the manual will result in a score of 11/11 and be worth the equivalent of a quiz.

- D2L quizzes are open book and not timed. If you save your answers as you complete them, you can pause partway through a quiz and return another time if you are interrupted. Once you are satisfied with your responses, you submit the quiz for marking. **Your mark will be based on your answers the first time you submit a quiz.** However, you can redo the quizzes as many times as you wish as part of your study activities. Once you've submitted your quiz and received feedback, remember to use this information to fill in or check the answers in your lab manual. The prelab activities are designed to provide you with a quick reference and to help you come to lab prepared so that you can spend your lab time practicing with your partner and with the models and slides.

STUDENT RESPONSIBILITIES

1. Students are expected to hand in any required reports on time.
2. **Late assignments will receive a penalty of 10% per day**.
3. 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.
4. 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.
5. 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.
6. **Students are expected to work independently on assignments unless instructed that the evaluation is based on group effort and evaluation.**
7. Students must know and follow all Safety Rules and Procedures.
8. Students must sign the Safety Contract before participating in any laboratory activity.
9. Failure to follow the Safety Rules and Procedures will result in penalties at the discretion of the instructor.
10. Students are requested to turn off cell phones and pagers during lectures and laboratory sessions.
11. All laboratories start punctually. Information necessary for performing the laboratory correctly and safely is given at the beginning of the lab.

ACADEMIC MISCONDUCT

Academic misconduct includes but is not limited to the following acts:

1. Giving or receiving unauthorized information to or from another student during any examination or test.
2. Obtaining or providing, without authorization, questions or answers relating to any examination or test prior to the time of the examination or test.
3. Using unauthorized sources of information during any examination or test.
4. Asking or arranging for another person to take any examination or test in one's place.
5. Plagiarizing, that is, appropriating the work of another or parts or passages of another's writing, or the ideas or language of the same, and passing them off as the product of one's own mind or manual skill.

According to Camosun College policy, the consequence for academic misconduct is an 'F' grade for the work involved or for the course as a whole.

5. Grading System

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	Required grade to continue in Biology 153.	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** for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	*Incomplete*: 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	*In progress*: 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. *(For these courses a final grade will be assigned to either the 3rd course attempt or at the point of course completion.)*
CW	*Compulsory Withdrawal:* 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.

6. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

You are encouraged to **consult your instructor if you require assistance or experience difficulty** with 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.

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.

Biology Department
Biology 152 Anatomy/Physiology 1: Nursing
Fall 2017
COURSE SCHEDULE

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

Week	Dates	Lecture Topics (approximate schedule)	Lab Activities
1	Sept 4 Sept 5-8	**LABOUR DAY (College closed)** Homeostasis and transport	Introduction to Bio 152
2	Sept 11-15	Tissues Integument	**LAB 1:** Lab Safety, Anatomical Terminology and Systems Overview
3	Sept 18-22	Intro to Nervous System + Neural tissue Neurophysiology	**LAB 2:** Intro to Microscopes, Cells and Epithelial Tissues
4	Sept 25-29	Neurophysiology Central Nervous System	**LAB 3:** Connective, Muscle and Neural Tissues
5	Oct 2-6	Central Nervous System Peripheral Nervous System	**LAB 4:** Central Nervous System
6	Oct 9 Oct 10-13	**THANKSGIVING DAY (College closed)** Peripheral Nervous System	**LAB 5:** Peripheral Nervous System
7	Oct 16-20 Oct 19 Oct 20	Senses **Shakeout** **MIDTERM* (6:30-7:50pm)**	**LAB 6:** Anatomy of Eye and Ear, Sensory Perception
8	Oct 23-26	Bone anatomy Bone development	**LAB EXAM #1 (Labs 1 – 5)** (in your usual lab time, location)
9	Oct 30-Nov 3	Joints Muscle anatomy	**LAB 7:** Axial skeleton
10	Nov 6-10	Muscle physiology	**LAB 8:** Appendicular skeleton
11	Nov 13 (Mon) Nov 14-17	**REMEMBRANCE DAY(College closed)** Endocrine System	**LAB 9:** Muscles
12	Nov 20-24	Endocrine System Reproductive System	**LAB 10:** Endocrine System
13	Nov 27 – Dec 1	Reproductive System	**LAB 11:** Reproductive System
14	Dec 4-8	Hematopoiesis	**LAB EXAM #2 (Labs 1 – 11)** (in your usual lab time, location)
	Dec 11-19	**FINAL EXAM** **(date and time scheduled by registrar)**	

* the midterm will be scheduled **outside of normal class time in the evening** on Friday, October 20st from 6:30-7:50 pm in Y201