



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

(a)	Instructor:	Dr. Jane Gair		
(b)	Office Hours:	TBA		
(c)	Location:	F352		
(d)	Phone:	3909	Alternative Phone:	
(e)	Email:	gairj@camosun.bc.ca OR jgair@uvic.ca		
(f)	Website:			

2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

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

1. Describe the concept of homeostasis and explain how it operates in the major physiological systems of the human body.
2. Describe the functioning of the major physiological systems of the human body at the cellular and systemic levels.
3. Explain the interactions between the major physiological systems of the body particularly as these interactions pertain to exercise and health.
4. Apply anatomical vocabulary in a physiological context.
5. Apply basic laboratory skills in the collection of physiological data (e.g., measuring, pipetting, handling of chemicals, data collection, data presentation, lab safety).
6. Utilize critical thinking to apply physiological concepts to specific problem-solving situations in the context of scientific method.

3. Required Materials

- (a) Texts
1. Human Physiology, from Cells to Systems, *Sherwood*, 8th edition
 2. *Biology 144: Human Physiology for Sport Education, Lab Manual*
- (b) Other
- Lab Coat

4. Course Content and Schedule

Lecture	Mon and Thurs	8:30 – 11:20	Ewing 346
Lab	Tues and Fri	8:30 – 11:20	F224

The schedule, which follows, is an attempt to outline the weekly activities of the class. It is subject to change or modification as the need arises.

Week	Dates	Lecture Topic	Lab Activity
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1	May 5-9	Intro to Cellular Physiology (Chapter 1, Appendix A, Chapter 3)	Lab 1: Intro to Laboratory Science Lab 2: Intro to Chemical Concepts
2	May 12-16	Digestive Physiology (Chapter 16) Metabolism (Chapter 17)	Lab 3: Digestion of Organic Molecules Lab 4: Cellular Respiration and Glucose Monitoring
3	May 20-23 ***NO class Monday, May 19 (Victoria Day Holiday)	Neural Physiology (Chapter 4, 5 & 6)	Lab 5: Cranial Nerve and Reflex Testing Lab 6: Sensory perception
LECTURE MIDTERM – Monday, May 26 @ 8:30 am (1 hour) & LAB MIDTERM – Friday, May 30 @ 8:30 am (1 hour)			
4	May 26-30	Muscle Physiology (Chapter 7 & 8) Cardiovascular Physiology (Chapter 9 & 10)	Lab 7: Muscle Physiology and Joint ROM Lab 8: Cardiovascular Physiology
5	June 2-6	Hematology (Chapter 11) Immunology / Defense Systems (Chapter 12)	Lab 9: Hematology and Immunology Lab 10: Respiratory Physiology
6	June 9-13	Respiratory Physiology (Chapter 13) Renal Physiology (Chapter 14 & 15)	Lab 11: Urinalysis
7	June 16-20	Reproductive Physiology (Chapter 20)	FINAL LAB EXAM – June 20
FINAL EXAM – scheduled during exam period (June 23-27)			

5. Basis of Student Assessment (Weighting)

Assignments/quizzes	20%
Midterm Exam	15%
Lab Exam 1	15%
Final Lab Exam	20%
Final Comprehensive Exam	30%

6. Grading System

(No changes are to be made to this section unless the Approved Course Description has been forwarded through the Education Council of Camosun College for approval.)

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	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	<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, 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 3 rd course attempt or at the point of course completion.)
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.

7. Recommended Materials or Services 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 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.

ADDITIONAL INFORMATION

Office Hours

There will be posted office hours where you can come and drop by to see me with any questions that you might have in F352. If you cannot make these office hours, please feel free to email me (gairj@camosun.bc.ca) with any questions, or you can always set up an appointment with me to meet outside of office hours. I am committed to being available for you, so please feel free to contact me whenever you need to!

No programmable devices are allowed in exams.

Missed Exams

Without exception, all lecture and lab exams must be written at the scheduled times. **Under no circumstances will a make-up exam be administered.** 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 (a) the instructor is notified in advance of the exam (**not after**) and (b) the student provides **documented evidence** of the circumstance (i.e. medical certificate). **Without exception**, the accommodation will be in the form of adjusting the weighting of the final exam to make up the missing marks. In such cases, the final exam will include extra questions to examine knowledge of the untested subject matter.

****HOLIDAYS OR SCHEDULED FLIGHTS ARE NOT CONSIDERED TO BE EMERGENCIES ******

Be sure not to plan airline flights for the end of semester until the final exam schedules are finalized and posted.

Late Penalties

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.

Note: There is the option of 1 free late assignment. There will be no penalty provided the assignment is received **prior** to it being marked and returned to the class. Any assignment received after its return to the rest of the class will be marked but will not receive credit.

Lecture Attendance

Attending lectures will be an important part of succeeding in this course. From time to time there will be quizzes and other in-class activities for marks that will also help you and I determine how you are doing with the material. If you know that there is a lecture that you will miss where an announced activity will take place, you must let me know ahead of time and have a legitimate reason to miss it (e.g. an emergency or an illness with documented evidence). The lecture PPT presentations will be posted on <http://online.camosun.ca> but there will be much more information provided during lecture time that you won't want to miss!

Laboratory Attendance

The laboratory experience is critical to the course objectives and so attendance throughout the entire laboratory session is mandatory and will be noted. 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.

Arriving more than **5 minutes** after the start of the lab time is considered late and will only be acceptable one time or with a legitimate excuse.

If a lab session is missed, another student's data **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. illness); in such cases the instructor must receive **advance notification** and **documented evidence** of the situation (e.g. medical certificate) and grant approval for any accommodation. In cases when a lab is done over two weeks, missing one of the weeks without instructor approval will result in a 50% reduction in the grade for any assignment associated with that lab.

Please note that **lab coats are mandatory** in the lab at all times. If you forget your lab coat, you can rent one for \$5. You cannot remain in the lab if you are not wearing a lab coat. Please make sure that you bring your lab coats with you each week.