

	<p>School of Arts & Science BIOLOGY DEPARTMENT BIOL 152 Anatomy & Physiology For Nursing 1 Winter 2010 (Jan-Apr)</p>
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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:	Larry Anthony, PhD		
(b)	Office Hours:	Mon	10:00 AM – 12:20 PM	
		Tue	11:30 AM – 12:20 PM	
		Thu	11:30 AM – 12:20 PM	
		Fri	09:30 AM – 10:20 AM	
(c)	Location:	F340A		
(d)	Phone:	250-370-3388	Alternative Phone:	
(e)	Email:	anthonyl@camosun.bc.ca		
(f)	Website:	http://online.camosun.ca/		

IMPORTANT NOTE: I understand that the scheduled times will not fit into everyone's schedules. ***This should not deter you from trying to visit me in my office!*** My schedule will be posted on my office door: I can be available at almost any time that I'm not already in class or lab. Simply arrange an appointment by phone or e-mail and I'll be **very pleased** to meet with you at a mutually convenient time.

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 successful completion of Biology 152 and Biology 153, you will be able to:

- *use your knowledge of normal anatomy and physiology to differentiate normal from abnormal when you are doing physical assessments of clients.*
- *use and understand correct terminology when communicating with other members of the health care team.*
- *use your knowledge of anatomy and physiology as a basis for further study of pathophysiology.*
- *demonstrate the ability to apply knowledge of anatomy and physiology gained through laboratory activities to the clinical setting.*
- *help patients by explaining basic anatomy and physiology, nutrition and pharmacology in the maintenance of health and prevention of disease.*

You are encouraged to **consult your instructor if you require assistance or experience difficulty** with the course. A variety of services are also available to students to assist with learning.

3. Required Materials

Text

Required:

Saladin, K. (2007). *Anatomy & Physiology: The Unity of Form and Function*. (4th Ed.) McGraw-Hill, New York.

Camosun College. Department of Biology. *Biology 152 Laboratory Manual*, Camosun College, 2009.

Optional:

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.)

Lecture Outlines

Lectures will be delivered in a PowerPoint format. PowerPoint slides will be made available on the Biology 230 website. These may be used or printed at the student's discretion to help follow the lectures.

Other Resources

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 labelled images of tissues and models examined in the lab:

website: <http://hunterp.disted.camosun.bc.ca>
user ID: anatomy
password: body123

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 testable.**

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.

Lab Attire

Students are required to wear closed shoes (flip flops, sandals or shoes with holes are not acceptable).

The wearing of lab coats at all lab sessions is mandatory. Cloth coats are preferable but disposable ones are acceptable. If you forget your lab coat you may rent one at a cost of \$10.

Failure to wear proper lab attire will result in the inability to enter the lab and the subsequent loss of all credit for that lab, including pre-lab assignment credit.

4. Course Content and Schedule

(This section can include: class hours, lab hours, out of class requirements and/or dates for quizzes, exams, lectures, labs, seminars, practicums, etc.)

Class Schedule:

Lectures: Mon 8:30 AM – 9:50 AM
Tue 4:30 PM – 5:50 PM

Lab Section A: Tue 6:30 PM – 9:20 PM
Lab Section B: Thu 5:30 PM – 8:20 PM

Course Content:

See Last Page

5. Basis of Student Assessment (Weighting)

(This section should be directly linked to the Intended Learning Outcomes.)

Assignments/labs/quizzes 15%
Midterm Lecture Exam 25%
Lab Exam I 12.5%
Lab Exam II 12.5%
Final Lecture Exam 35%

Note: The final lecture exam is comprehensive, covering content covered throughout the entire semester.

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 COMMENTS AS APPROPRIATE OR AS REQUIRED

Plagiarism

Plagiarizing is appropriating the work of another 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. **Plagiarism will not be tolerated.** All written material must be done individually. This includes lab data and graphs; although lab work is done in groups, material submitted for grading must be processed and submitted independently. Plagiarism, **including the copying of any part of assignments or lab assignments**, is a serious offence and is considered to be academic misconduct.

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, using unauthorized materials in a quiz/exam and 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-&-support/e-2.5.pdf> and <http://camosun.ca/about/policies/education-academic/e-2-student-services-&-support/e-2.5.1.pdf>) and may be severe.

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. Accommodation will be made only in emergency circumstances (e.g. illness or emergency in the immediate family), provided (a) the instructor is notified in advance of the exam 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 test knowledge of the untested subject matter.

If the Midterm Lab Exam is missed, the Final Lab Exam will be comprehensive and will count for 25% of the final grade.

Laboratory Attendance

Attendance throughout the entire laboratory session is mandatory and will be noted. Failure to attend the lab or leaving the lab before its scheduled finish time will result in forfeiting all credit for that lab, including any written assignments; another student's data **may not** to write complete a lab assignment for credit. The only exceptions will be in the case of emergency (e.g. illness), in which case the instructor must receive **advance notification** and **documented evidence** of the situation (e.g. medical certificate).

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

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 Responsibilities

1. Students are expected to hand in any required reports on time. Late assignments will receive a penalty of 10% per day.
2. 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.
3. Examinations must be written as scheduled. Exceptions may be made for emergencies at the discretion of the instructor (see above). The student must notify the instructor in advance of the examination.
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. Students are expected to work independently on reports unless instructed that the evaluation is based on group effort and evaluation.
6. Students must know and follow all Safety Rules and Procedures. Students must sign the Safety Contract before participating in any laboratory activity. Failure to follow the Safety Rules and Procedures will result in penalties at the discretion of the instructor.
7. Students must turn off cell phones and pagers during lectures and laboratory sessions.
8. All laboratories start punctually. Information necessary for performing the laboratory correctly and safely is given at the beginning of the lab.
9. **All students must wear a lab coat during laboratory sessions.** Failure to bring a lab coat to the lab may result in being unable to work in the lab and loss of credit for the lab.

Biology 152 - W2010 - Course Schedule (Note: Scheduled dates are subject to change)

Wk	Day	Date	Lecture Topic	Lab	Lab Activity
1	Mon	4-Jan-10			
1	Tue	5-Jan-10			NO LAB
1	Thu	7-Jan-10			
2	Mon	11-Jan-10	Introduction		
2	Tue	12-Jan-10	Tissues; Integumentary System	1	Safety, Anatomical Terminology, Systems Overview
2	Thu	14-Jan-10		1	Safety, Anatomical Terminology, Systems Overview
3	Mon	18-Jan-10	Tissues; Integumentary System		
3	Tue	19-Jan-10	Skeletal System	2	Introduction to Microscopy and Tissues
3	Thu	21-Jan-10		2	Introduction to Microscopy and Tissues
4	Mon	25-Jan-10	Skeletal System		
4	Tue	26-Jan-10	Neural Tissue; Action Potentials	3	Tissues (cont'd) and Integumentary System
4	Thu	28-Jan-10		3	Tissues (cont'd) and Integumentary System
5	Mon	1-Feb-10	Neural Tissue; Action Potentials		
5	Tue	2-Feb-10	Neural Tissue; Action Potentials	4	Introduction to Skeletal System and Axial Skeleton
5	Thu	4-Feb-10		4	Introduction to Skeletal System and Axial Skeleton
6	Mon	8-Feb-10	Muscular System		
6	Tue	9-Feb-10	Muscular System	5	Appendicular Skeleton and Articulations
6	Thu	11-Feb-10		5	Appendicular Skeleton and Articulations
7	Mon	15-Feb-10	Muscular System		
7	Tue	16-Feb-10	Central Nervous System		
7	Thu	18-Feb-10			READING BREAK - NO LABS
8	Mon	22-Feb-10	Central Nervous System		
8	Tue	23-Feb-10	Central Nervous System		LAB EXAM 1 (Labs 1-5)
8	Thu	25-Feb-10			LAB EXAM 1 (Labs 1-5)
9	Mon	1-Mar-10	Peripheral Nervous System		
9	Tue	2-Mar-10	Peripheral Nervous System	6	Muscular System
9	Wed	3-Mar-10	MIDTERM LECTURE EXAM		NOTE WEDNESDAY EVENING TIME (6:30 - 8:00)
9	Thu	4-Mar-10		6	Muscular System
10	Mon	8-Mar-10	Peripheral Nervous System		
10	Tue	9-Mar-10	Sensory Perception	7	Central Nervous System
10	Thu	11-Mar-10		7	Central Nervous System
11	Mon	15-Mar-10	Sensory Perception		
11	Tue	16-Mar-10	Sensory Perception	8, 9	Peripheral Nervous System; Eye & Ear
11	Thu	18-Mar-10		8, 9	Peripheral Nervous System; Eye & Ear
12	Mon	22-Mar-10	Endocrine System		
12	Tue	23-Mar-10	Endocrine System	10	Endocrine System
12	Thu	25-Mar-10		10	Endocrine System
13	Mon	29-Mar-10	Endocrine System		
13	Tue	30-Mar-10	Cardiovascular System	11	Cardiovascular Anatomy
13	Thu	1-Apr-10		11	Cardiovascular Anatomy
14	Mon	5-Apr-10	EASTER MONDAY - NO LECTURE		
14	Tue	6-Apr-10	Cardiovascular System		LAB EXAM 2 (Labs 6-11)
14	Thu	8-Apr-10	Cardiovascular System		LAB EXAM 2 (Labs 6-11)
	Mon	12-Apr-10	FINAL EXAM PERIOD BEGINS		