



**School of Arts & Science
BIOLOGY DEPARTMENT**
BIOL 152-02
Anatomy and Physiology 1
2006F

COURSE OUTLINE

The Approved Course Description is available on the web @ _____

Ω Please note: this outline will be electronically stored for five (5) years only.
It is strongly recommended students keep this outline for your records.

1. Instructor Information

(a)	Instructor:	William C. Hulbert, Ph.D. (Biology)		
(b)	Office Hours:	Tuesday 9:00 - 4:00		
(c)	Location:	F340D		
(d)	Phone:	370-3427	Alternative Phone:	
(e)	Email:	hulbertw@camosun.bc.ca		
(f)	Website:	TBA		

Mary Mavretic (Nursing apps) F254C 370-3281 mavretic@camosun.bc.ca

2. Intended Learning Outcomes

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)

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

1. Use knowledge of normal anatomy and physiology to differentiate normal from abnormal when doing physical assessments of clients.
2. Use and understand correct terminology when communicating with other members of the health care team.
3. Use knowledge of anatomy and physiology as a basis for further study of pathophysiology.
4. Demonstrate the ability to apply knowledge of anatomy and physiology gained through laboratory activities to the clinical setting.
5. Help clients by explaining basic anatomy and physiology, nutrition and pharmacology in the maintenance of health and prevention of disease.

3. Required Materials

(a)	Texts	<p>Martini, F. (2006). <i>Fundamentals of Anatomy and Physiology</i>. (7th Ed.) Pearson Benjamin Cummings, San Francisco.</p> <p>Camosun College, Department of Biology. <i>Biology 152 Laboratory Manual</i>, Camosun College, 2005.</p> <p>*Martini, F. and Welch, K. (2006). <i>Applications Manual: Fundamentals of Anatomy and Physiology</i>. (7th Ed.) Benjamin Cummings, San Francisco. [this publication comes with your text]</p> <p>*Cauthorne-Burnette, T. D. and Estes, M. E. Z. (2006). <i>Clinical companion to accompany health assessment and physical examination</i>. (3rd ed.) Clifton Park NY: Thomson Delmar Learning.</p> <p>*Deglin, J. & Vallerand, A. (2005). <i>Davis's drug guide for nurses</i>. (9th ed.). Philadelphia: F.A. Davis Company.</p> <p>*Kozier, B., Erb, G., Berman, A., Burke, K., Bouchal, D., & Hirst, S. (2000). <i>Fundamentals of Nursing: The nature of nursing practice in Canada</i> (Canadian ed.). Toronto: Prentice Hall Health</p>
(b)	Other	<p>Students are advised to wear a laboratory coat during all lab sessions. However, coats are mandatory only in those labs involving dissections and microbiology. Cloth coats are preferable but disposable ones are acceptable.</p> <p>Binder for laboratory manual, notes and assignments</p>

* required for the nursing applications component of Biol 152 and for other courses in the Nursing Program. Copies will be available on Reserve in the Lansdowne Library for students who are not registered in the Nursing Program.

4. Course Content and Schedule

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

Week	Dates	Lecture Topics	Lab Activities
1	Sept 4 Sept 5-8	LABOUR DAY Homeostasis, cells and membrane transport	COLLEGE CLOSED LAB 1: Lab Safety, Anatomical Terminology and Systems Overview
2	Sept 11-15	Tissues <i>Nursing – Intro to Nursing Applications</i>	LAB 2: Introduction to Microscopy and Tissues
3	Sept 18-22	Integumentary System <i>Nursing – Skin integrity</i>	LAB 3: Tissues (cont'd) and Integumentary System
4	Sept 25-29	Skeletal System	LAB 4: Intro to Skeletal System and Axial Skeleton
5	Oct 2-6	Muscular System	LAB 5: Appendicular Skeleton and Articulations Review for exam
6	Oct 9 Holiday Oct 10-13	THANKSGIVING DAY <i>Nursing – Movement and exercise</i>	LAB EXAM #1
7	Oct 16 Oct 17-20	MIDTERM EXAM Monday Oct 16 Neural Tissue & Action potential	LAB 6: Muscular System
8	Oct 23-27	Central Nervous System	LAB 7: Central Nervous System
9	Oct 30-Nov 3	Peripheral Nervous system <i>Nursing – Sleep</i>	LAB 8: Peripheral Nervous System

10	Nov 6-10	Sensory Perception	LAB 9: Anatomy of Eye and Ear Sensory perception
11	Nov 13 Holiday Nov 14-18	REMEMBRANCE DAY <i>Nursing – cognition and perception</i>	Review for Exam
12	Nov 20-24	Endocrine System	LAB 10: Endocrine System
13	Nov 27–Dec 1	Cardiovascular System <i>Nursing – Cardiovascular 1</i>	LAB EXAM #2
14	Dec 4-8	Cardiovascular System	LAB 11: Cardiovascular Anatomy
	Dec 11-19	FINAL EXAM	

5. Basis of Student Assessment (Weighting)

(Should be linked directly to learning outcomes.)

Assignments, lecture quizzes, schematics, lab reports, lab quizzes. Etc.	17%
Midterm lecture exam including Nursing Applications.....	20%
Midterm lab exam	17%
Final comprehensive lab exam	20%
Final comprehensive theory exam including Nursing Applications.....	26%

- 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.
- both final lecture and final lab exams are comprehensive, covering the entire semester.
- lecture exams will include both the nursing and biology components of the course.
- 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. Upon submission of acceptable supporting documentation, the following accommodations will be available:

IMPORTANT NOTE!

- if the Midterm Lab Exam is missed, the Final Lab Exam will count for 37% of the final grade
- if the Midterm Lecture Exam is missed, a make-up Lecture Exam will be scheduled during week 13. **This exam will cover all topics up to and including week 12.**

Vacation plans and scheduled flights do not constitute an emergency.

6. Grading System

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
95-100	A+		9
90-94	A		8
85-89	A-		7

80-84	B+		6
75-79	B		5
70-74	B-		4
65-69	C+		3
60-64	C		2
50-59	D		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 at camosun.ca or 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.

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.

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 on the College web site in the Policy Section.

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.

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 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.
4. If a student is unable to take the final laboratory examination and provides acceptable documentation, an oral laboratory examination may be given.
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 reports 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 must 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