

CAMOSUN COLLEGE
School of Arts & Science
Biology Department
BIOL 143 Anatomy for Sport Education
Fall 2015

COURSE OUTLINE

CALENDAR DESCRIPTION

This course provides an introduction to human anatomy. Emphasis is placed on major systems and organs relevant to exercise and sport. Structural and functional relationships in the human body are examined using a lab and lecture based format. Gross and microscopic anatomical terminology is reviewed using slides, models, diagrams, dissections and specimens.

1. Instructor Information

Instructor: Douglas Panton
Office hrs: TBA
Location: Tech 219
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Web site <http://hunterp.disted.camosun.bc.ca>

2. Required Materials

Text: *Human Anatomy 7th edition*), Martini, F., Timmons M., and Tallitsch, R. (2009).

3. Course Particulars

Class hours: 3 hrs lecture/week
3 hrs lab/week

Out of class study: **6 hrs/week minimum***

(*This course is very information dense and will require a significant amount of study time; success in Biology 143 will depend on your ability to stay on top of the material weekly)

4. Intended Learning Outcomes

- describe, using anatomical terminology, the human body at the tissue, organ and organ system levels
- locate and identify gross and microscopic anatomical structures associated with the major human organ systems in slides, models, dissections and specimens
- visualize and interpret the relationships between anatomical structures and describe these relationships using regional and directional terminology
- relate anatomical structures to their basic functions
- define anatomical and physiological terms, and correctly apply anatomical vocabulary both written and oral in the context of human health and exercise science
- develop basic microscopy and dissection skills

5. Basis of Student Assessment

Word Quizzes	5%
Lab Quizzes	15%
Lab exam 1	10%
Lab exam 2	10%
Lab exam 3	10%
Lecture midterm 1	15%
Lecture midterm 2	15%
Final lecture exam	20%
	<u>100%</u>

6. Grading System

These are the following percentage conversions to letter grades for this course:

A+ = 90 - 100%	B = 73 - 76%	D = 50 - 59%
A = 85 - 89%	B- = 70 - 72%	F = 0 - 49%
A- = 80 - 84%	C+ = 65 - 69%	
B+ = 77 - 79%	C = 60 - 64%	

7. Learning support and services for students

Learning Skills offers assistance to learners in a variety of ways.

<http://www.camosun.bc.ca/learning-skills/>

7. Student Responsibilities

1. Students are expected to hand in any required assignments on time. 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.
2. Attendance correlates highly with academic success. If unable to attend a lecture or lab 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 except in the case of illness or emergency. The student must notify the instructor **in advance** of the examination. Documentation acceptable to your instructor is required to schedule a make-up exam. **Work schedules, and vacation or travel plans do not constitute an emergency and exams will not be rescheduled.**
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. Quizzes will be written at the beginning of class; if you are late for class you will not be allowed to write the quiz
6. Students are expected to work independently on assignments unless instructed that the evaluation is based on group effort. Please see ACADEMIC MISCONDUCT

There is an **Academic Conduct Policy**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, Registration, and on the College web site in the Policy Section, and in the **Camosun calendar p 36-38**

7. 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** or **ileum** and **ilium**

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.

COURSE SCHEDULE - FALL 2009

The following is a **tentative** schedule and will remain flexible as the semester proceeds. Whenever possible, lab material will be integrated into lectures.

Refer to the **Course Objectives in your lab manual** for specific learning outcomes.

week	dates	lectures	labs
1	Sept 8-11	Introduction - levels of organization - cells (self review) Tissues (intro; tissues will be covered in detail labs 2 and 3)	Lab 1 - body planes, directional terms, cavities - introduction to systems
2	Sept 14-18	Integumentary system Skeletal System -	Lab 2 - cell structure - microscopy - tissues (intro)
3	Sept 21-25	Skeletal system -	Lab 3 - tissues (cont'd) - integumentary system
4	Sept 28- Oct. 2	Articulations	Lab 4 - bone structure - axial skeleton
5	Oct. 5-9	Muscular system	Lab 5 - appendicular skeleton - articulations (joints, fascia, bursae, ligaments)
6	Oct. 12 Oct. 15 Oct 12-16	Thanksgiving Day Shake out Muscular System (cont'd)	LAB EXAM 1 (labs 1-5)
7	Oct. 19-23	Nervous system	Lab 6 - muscle tissue - introduction to major muscles and their actions
8	Oct 26-30	Nervous system (cont'd)	Lab 7 - major muscles and their actions

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week	date	lectures	labs
9	Nov.2-6	Nervous system (cont'd) Endocrine system	Lab 8 - central nervous system - brain and spinal cord
10	Nov. 9 Nov. 11 Nov 9-13	<u>Last day to withdraw without getting a failing grade</u> Remembrance Day! - Cardiovascular system	Muscle lab exam
11	Nov, 16-20	Cardiovascular system (cont'd) Lymphatic/lymphoid system	Lab 9 - peripheral nervous system - eye and ear - endocrine glands
12	Nov. 23-27	Respiratory system Digestive system	Lab 10 - blood smears - heart - arteries / veins / capillaries - lymphatic system
13	Nov 30- Dec. 4	Digestive system (con't) Urinary system	Lab 11 - respiratory system - digestive system - urinary system
14	Dec. 7-11	Reproductive system (the reproductive system will only be covered IF TIME ALLOWS)	Final LAB EXAM (Labs 6-11)
15	Dec 14-22	FINAL EXAM - scheduled by registrar (DO NOT MAKE ANY TRAVEL PLANS UNTIL AFTER THE 20TH.	