



**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Biology Department**  
**BIOL 143 Anatomy for Sport Education**  
**Fall 2014**

**COURSE OUTLINE**

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**1. Instructor Information**

Instructor: Douglas Panton  
Office hrs: TBA  
Location: Campus Centre 118A  
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**2. Required Materials**

Text: *Human Anatomy 8<sup>th</sup> edition*, Martini, F., Timmons M., and Tallitsch, R. (2013).

**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

Quizzes	15%
Lab exam 1	12.5%
Lab exam 2	12.5%
Lecture midterm 1	15%
Lecture midterm 2	15%
Final	<u>30%</u>
	<u>100%</u>

#### 6. Grading System

The following percentage conversions to letter grades will be used 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/>

#### 8. 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**

## 9. 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 2014

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.

<b>week</b>	<b>dates</b>	<b>lectures</b>	<b>labs</b>
1	Sept 2-5	<b>Introduction</b> - levels of organization - cells (self review)  <b>Tissues</b> (intro; tissues will be covered in detail labs 2 and 3)	<b>Lab 1</b> - body planes, directional terms, cavities - introduction to systems
2	Sept 8-12	<b>Integumentary system</b>  <b>Skeletal System</b> -	<b>Lab 2</b> - cell structure - microscopy - tissues (intro)
3	Sept 15-19	<b>Skeletal system</b> -	<b>Lab 3</b> - tissues (cont'd) - integumentary system
4	Sept 22-28	<b>Articulations</b>	<b>Lab 4</b> - bone structure - axial skeleton
5	Sept. 29 Oct.- 3	<b>Muscular system</b>	<b>Lab 5</b> - appendicular skeleton - articulations (joints, fascia, bursae, ligaments)
6	Oct 6-10	<b>Muscular System (cont'd)</b>	<b>LAB EXAM 1</b> (labs 1-5)
7	Oct 13 Oct. 13-17	<b>THANKSGIVING DAY</b>  <b>Nervous system</b>	<b>Lab 6</b> - muscle tissue - introduction to major muscles and their actions
8	Oct 20-24	<b>Nervous system (cont'd)</b>	<b>Lab 7</b> - major muscles and their actions

<b>week</b>	<b>date</b>	<b>lectures</b>	<b>labs</b>
9	Oct. 27-31	<b>Nervous system</b> (cont'd)  <b>Endocrine system</b>	<b>Lab 8</b> - central nervous system - brain and spinal cord
10	Nov 3-7  Nov.3	- Cardiovascular system  <b>LAST DAY TO WITHDRAW FROM CLASS WITOUT FAILING GRADE</b>	<b>Lab 9</b> - peripheral nervous system - eye and ear - endocrine glands
11	Nov, 11  Nov. 10-14	<b>REMEMBRANCE DAY</b>  <b>Cardiovascular system</b> (cont'd)  <b>Lymphatic/lymphoid system</b>	No labs
12	Nov 17-21	<b>Respiratory system</b>  <b>Digestive system</b>	<b>Lab 10</b> - blood smears - heart - arteries / veins / capillaries - lymphatic system
13	Nov 24-28	<b>Digestive system</b> (con't)  <b>Urinary system</b>	<b>Lab 11</b> - respiratory system - digestive system - urinary system
14	Dec 1-5	<b>Reproductive system</b> <b>(the reproductive system will only be covered IF TIME ALLOWS)</b>	<b>LAB EXAM</b> (Labs 6-11)
15	Dec 8-18	<b>FINAL EXAM</b> - scheduled by registrar  <b>(DO NOT MAKE ANY TRAVEL PLANS UNTIL AFTER THE 20<sup>TH</sup> .</b>	