

The University of Western Ontario

HS2330A

SYSTEMIC APPROACH TO FUNCTIONAL ANATOMY

September 2018

Instructor: Michael Robinson MS CAT(C) ATC

Lecture Date: Friday 12:30 – 3:30

Lecture Location: UCC-56

Lab Date: Tuesday 1:30 – 5:30 (as assigned)

Lab Location: HSB-322

Email: mrobin7@uwo.ca

Office Hours: Appointment only

Lectures

There is one 3-hour lecture per week. There is one 1-hour lab per week.

Prerequisite Checking

Unless you have either the requisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees if you are dropped from a course for failing to have the necessary prerequisites.

Course Description

Systemic Approach to Functional Anatomy is an introductory course designed to explore anatomical structure and function of the human body. Emphasis will be placed on clinical examples related to nursing. The course will provide the student with an understanding of systemic anatomy and a working knowledge of the integration of the human body's major physiological systems. At the end of this course each student should know all the major bones, muscles, nerves, organs, and vessels of the body, by name, location, and function. The spirit of this course is to foster learning, critical thinking, active questioning, and an appreciation for health and disease from a gross anatomical perspective.

Statement on Multiple Choice Exams

Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

Statement on the use of Electronic Devices

During Exams: Unless you have medical accommodations that require you to do so, or explicit permission from the instructor of the course, you may not use any of the following electronic devices during ANY of the tests, quizzes, midterms, examinations, or other in-class evaluations: cellphones, smart phones, smart watches, smart glasses, audio players or recorders of any sort, video cameras, video games, DVD players, televisions, laptop/notebook/netbook computers, flashlights or laser pointers.

During Lectures and Tutorials: Although you are welcome to use a computer during lecture and tutorial periods, you are expected to use the computer for scholastic purposes only, and refrain from engaging in any activities that may distract other students from learning. From time to time, your professor may ask the class to turn off all computers, to facilitate learning or discussion of the material presented in a particular class. Unless explicitly noted otherwise, you may not make audio or video recordings of lectures – nor may you edit, re-use, distribute, or re-broadcast any of the material posted to the course website.

Course Materials

The REQUIRED textbook:

Marieb, E. Human Anatomy loose-leaf + eText + Mastering + the photographic lab Atlas ,
Pearson Canada ISBN **9780134493947**.

This text is available at the UWO Bookstore as a bundle and the ISBN is unique to this course. The lab assignments are delivered via the supplemental website for this book and is a required component for this course. Students who are unable to purchase the book due to financial difficulties can contact the instructor to discuss options.

Methods of Evaluation

Examinations (70%): Your exams will consist of two, non-cumulative term tests.

Midterm	35%
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Final	35%
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Anatatorium Labs (20%):

Bell Ringer	20%
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Assignments (10%):

Lab Assignments	10%
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Schedule (Subject to change)

	Lecture Topic	Lab	CH	Assignment
7-Sep-18	Introduction, Anatomical Terminology, Cells, Tissues	No Lab	1, 2, 4	1
14-Sep-18	Bones and Skeletal Tissue, Articulations	Lab Introduction, Anatomical Terminology, Movements	6, 9	2
21-Sep-18	Axial Skeleton	Bone Tissue, Articulations	7, 9	3
28-Sep-18	Appendicular Skeleton	Axial Skeleton	8, 9	4
5-Oct-18	Muscle Tissues, Axial Muscles	Appendicular Skeleton	10, 11	5
12-Oct-18	READING WEEK			
19-Oct-18	Upper Limb Muscles	Muscles	10, 11	6
26-Oct-18	Lower Limb Muscles	Muscles	10, 11	7
2-Nov-18	Midterm	Muscles		8
9-Nov-18	Neurological System, Special Senses	Muscles	12, 13, 14, 15, 16	9
16-Nov-18	Cardiovascular System	Neurological, Special Senses	18, 19, 20	10
23-Nov-18	Respiratory System, Digestive System	Cardiovascular	22, 23	11
30-Nov-18	Reproductive System, Urinary System,	Respiratory, Digestive	24, 25	12
7-Dec-18	Lymphatic System, Integumentary System Review	Bell Ringer	5, 21	13

ADDITIONAL STATEMENTS

Statement on Academic Offences:

Scholastic offences are taken seriously, and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

Accommodation for illness:

https://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_illness.pdf

The University recognizes that a student's ability to meet his/her academic responsibilities may, on occasion, be impaired by medical illness. Illness may be acute (short term), or it may be chronic (long term), or chronic with acute episodes. The University further recognizes that medical situations are deeply personal and respects the need for privacy and confidentiality in these matters. However, in order to ensure fairness and consistency for all students, academic accommodation for work representing 10% or more of the student's overall grade in the course shall be granted only in those cases where there is documentation indicating that the student was seriously affected by illness and could not reasonably be expected to meet his/her academic responsibilities.

A UWO Student Medical Certificate (SMC) is required where a student is seeking academic accommodation. This documentation should be obtained at the time of the initial consultation with the physician or walk-in clinic. An SMC can be downloaded under the Medical Documentation heading of the following website:

http://www.uwo.ca/univsec/pdf/academic_policies/appeals/medicalform.pdf

Documentation is required for non-medical absences where the course work missed is more than 10% of the overall grade. Students may contact their Faculty Academic Counselling Office for what documentation is needed.

Whenever possible, students who require academic accommodation should provide notification and documentation in advance of due dates, examinations, etc. Students must follow up with their professors and their Academic Counselling office in a timely manner. Documentation for any request for accommodation shall be submitted, as soon as possible, to the appropriate Academic Counselling Office of the student's Faculty of registration. For BHSc students, you may go to the School of Health Studies Office in HSB room 222.

Support Services:

There are various support services around campus and these include, but are not limited to:

1. Student Development Centre -- <http://www.sdc.uwo.ca/ssd/>

2. Student Health -- <http://www.shs.uwo.ca/student/studenthealthservices.html>
3. Registrar's Office -- <http://www.registrar.uwo.ca/>
4. Ombuds Office -- <http://www.uwo.ca/ombuds/>

Health and Wellness:

As part of a successful undergraduate experience at Western, we encourage you to make your health and wellness a priority. Western provides several on-campus health-related services to help you achieve optimum health and engage in healthy living while pursuing your degree. For example, to support physical activity, all students receive membership in Western's Campus Recreation Centre as part of their registration fees. Numerous cultural events are offered throughout the year. Please check out the Faculty of Music web page (<http://www.music.uwo.ca/>), or the McIntosh Gallery (<http://www.mcintoshgallery.ca/>). Further information regarding health and wellness-related services available to students may be found at <http://www.health.uwo.ca/>.

If you are in emotional or mental distress should refer to Mental Health@Western (<http://www.uwo.ca/uwocom/mentalhealth/>) for a complete list of options about how to obtain help. To help you learn more about mental health, Western has developed an interactive mental health learning module, found here:

https://uwo.ca/health/mental_wellbeing/education/module.html.

Grade policy:

The university-wide descriptor of the meaning of letter grades, as approved by Senate:

A+	90-100	One could scarcely expect better from a student at this level
A	80-89	Superior work that is clearly above average
B	70-79	Good work, meeting all requirements and eminently satisfactory
C	60-69	Competent work, meeting requirements
D	50-59	Fair work, minimally acceptable.
F	below 50	Fail

It is expected that the grades for this course will fall between 70-74. In the event that the course average falls outside this range, a constant may be added (or subtracted) from each student's grade, by the instructor, to bring the class average in line with school policy.