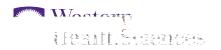


Western University Faculty of Health Sciences



KIN 1060A | HS 1300A | HS 2300A | NUR 1330A

Systemic Approach to Functional Human Gross Anatomy Fall 2024

Welcome to **Functional Human Gross Anatomy**! Our teaching team is delighted to have you join us this term. In this course, we will focus on learning the basics of human anatomy, with specific attention to the **musculoskeletal** (muscles and bones), **nervous** (brain, spinal cord, and neurons), **cardiovascular** (heart and vessels), and **respiratory** (lungs and breathing) systems. Anatomy is a fundamental discipline that will support your understanding of core concepts related to health and disease in your degree ahead. The course is cumulative, and voluminous in nature, so we encourage you to **stay involved**, **ask questions**, and **participate** as much as possible – be sure to complete the online lecture modules <u>before</u> coming to your lab section. We look forward to meeting you soon!

Course Learning Outcomes:

By the end of this course, a successful student should be able to:

- Communicate the locations, functions, and movements of structures using correct anatomical terms.
- Use pictures and words to outline principles of neuronal conduction.
- Explain the basic structure of the nervous system, differentiating between the central and peripheral nervous systems, as well as between the somatic and autonomic nervous systems.
- Describe how the autonomic nervous system regulates basic homeostasis in the

differentiating between sys

 Explain and predict function cardiorespiratory changes symptoms.

Overall, the spirit of this course is to foster authentic learning, critical thinking, active questioning, and an appreciation for health and disease from a gross anatomical perspective.

Course Coordinator and Instructor:

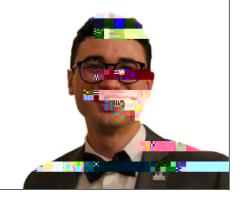
Dr. Sean McWatt, PhD

Office:

Email:

sean.mcwatt@uwo.ca

Phone:



Course Schedule: *Subject to change*

Course	Course Schedule. Subject to change							
Week	Date		Unit	Topic(s)				
1	2	5 – 6		No labs				
2	EMBER	9 – 13*	1: Introduction	Anatomical terminology and bones				
3	SEPTE	16 – 20		Joints, cartilage, and muscle				
4	S	23 – 27	2: Nervous System	Central and peripheral nervous systems				
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- Unit Quizzes (20%)
 Each quiz has 15 multiple choice questions.

Lectures:

Content in this course is delivered asynchronously via online modules in OWL Brightspace. The content will be available one week before the listed dates in the course syllabus. Each module will include:

- An interactive <u>Storyline</u> module and/or video recording
- A PDF of the lecture slides
- Some additional resources (i.e., lecture captions, optional supplementary activities)

You should expect to complete 2-4 modules per week. Be sure to do this before your scheduled laboratory session!

Laboratory Sessions:

The laboratory sessions are **in-person**, small-group experiences during which you'll have the opportunity to examine anatomical models, experiment with digital learning environments, complete practice questions, and apply your understanding of a given week's content. You will have **one laboratory session per week**, facilitated by Teaching Assistants (TAs). Please see the course calendar and weekly content on OWL Brightspace for more specific details. Some labs may include surface anatomy landmarking, so please wear comfortable clothing, and be prepared to work with a partner and/or small group to practice your palpation skills.

	Mondays	Tuesdays	Wednesdays	Thursdays	Fridays
8:30am – 9:30am					
9:30am - 10:30am					
10:30am – 11:30am					
11:30am - 12:30pm					
12:30pm – 1:30pm		LABOR	ATORY SECTIO	NS TBD	
1:30pm – 2:30pm					
2:30pm - 3:30pm					
3:30pm – 4:30pm					
4:30pm – 5:30pm					
5:30pm - 6:30pm					

Textbook:

This term, we suggest this **OPTIONAL** textbook:

Trail Guide to the Body, 6th ed. Student Workbook

by Books of Discovery

Visit OWL Brightspace for course-specific purchasing options.

We also **RECOMMEND** downloading this app:

VB Suite

by Visible Body

Use in <u>desktop mode</u> or download the app on your mobile device.

IMPORTANT: You MUST create your account while inside <u>Thames Hall</u>
to gain free access to the content.





All other content will be presented in the course notes. If you wish to use a different supplementary resource (which is completely optional), any anatomy textbook and/or atlas will do.

Additional Anatomy Resources:

• Anatomy.TV is available via the library (log in via the proxy link). It contains digital anatomical models which you can manipulate yourself using an internet browser window. Your TAs may use this tool to demonstrate the anatomy in your laboratory sessions, and you're encouraged to use this, in conjunction with the textbook, VB Suite, and the class notes, to gain an appreciation for the 3D nature of bodily structures.

Students seeking academic considerations:

- Are advised to consider carefully the implications of postponing tests or midterm exams or delaying handing in work.
- Are encouraged to make appropriate decisions, based on their specific circumstances, recognizing that minor ailments (e.g., upset stomach) or upsets (e.g., argument with a friend) are not normally appropriate.
- Must communicate with their instructors no later than 24 hours after the end of the period covered by the SMC, or immediately upon their return following a documented absence.
- Are advised that all necessary documentation, forms, etc. are to be submitted to the academic advising office <u>within two business days</u> after the date specified for resuming responsibilities.

COVID-19 and Other Possible Disruptions:

There are several buffers built into this course to help ensure your success throughout the term, even if you fall ill or are unable to attend class in person. For example:

- Your lowest quiz grade will be dropped (the top four scores will be counted).
- You can miss two out of the ten laboratory sessions without penalty.

If you feel unwell, please don't come to campus and instead seek academic considerations for any missed assessment. All course resources are posted online via

How to Succeed in this Course

...and all of your other ones, in fact!

As a university student, you are ultimately responsible for your own learning – but that does not mean you are on your own! There are an incredible number of resources and support available to you throughout your studies. Still, a major hurdle students experience is not knowing how to time manage or study effectively – here are some resources and tips to get you started:

Check out this helpful guide!

Studying Effectively:

Tactics like highlighting and re-reading feel productive but are not actually the most effective strategies for long-term knowledge retention. Anatomy is challenging for most students because of the volume of information and the integration required between systems and topics to understand how the body functions as a whole. This is where long-term knowledge retention is critical. A powerful way to study is via a technique called **successive re-learning**, in which you quiz yourself, practice recalling answers, and space out your studying. Here's how to do it:

- Figure out what to study and when plan out several smaller sessions across a week
 instead of one big one. For the biggest advantage, plan to begin reviewing material two
 days after you've learned it. Use your calendar to make a study schedule for the
 semester!
- Practice recalling

Academic Accommodation

Please contact the course instructor if you require lecture or printed material in an alternate format or if any other arrangements can make this course more accessible to you. Students with ongoing accommodation needs within this course are also encouraged to contact <u>Accessible Education</u>, which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing. The policy on Academic Accommodation for Students with Disab3.3 (r)3.7 (2.6 (om10.7 (on A)17.6 (c)-2.6 u12 Tw -1