

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 before 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 systems
  - Explain and predict functional cardiorespiratory changes in response to various 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](mailto:sean.mcwatt@uwo.ca)**Phone:**



**Course Schedule:** \*Subject to change\*

Week	Date	Unit	Topic(s)
1	5 – 6	1: Introduction	No labs
2	9 – 13*		Anatomical terminology and bones
3	16 – 20		Joints, cartilage, and muscle
4	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 [Storyline](#) 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.

	<b>Mondays</b>	<b>Tuesdays</b>	<b>Wednesdays</b>	<b>Thursdays</b>	<b>Fridays</b>
8:30am – 9:30am					
9:30am – 10:30am					
10:30am – 11:30am					
11:30am – 12:30pm					
12:30pm – 1:30pm	<b>LABORATORY SECTIONS TBD</b>				
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 [desktop mode](#) or download the app on your mobile device.

**IMPORTANT:** You **MUST** create your account while inside [Thames Hall](#) 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 within two business days 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









