Western University
Faculty of Health Sciences

KIN 2222B | HS 2300B

Systemic Approach to Functional Human Gross Anatomy

Winter 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 t 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.
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Lectures : Weekly online modules Asynchronous via OWL	Laboratories: Weekly in-person sessions led by Teaching Assistants
Office Hours : Hosted weekly via Zoom or by appointment (see OWL for more information)	
Head Teaching Assistant: Teaching Assistant s:	

NOTE: All course information including grades, assignment outlines, deadlines, etc. are available via OWL. Be sure to check the website regularly for course announcements!

General Course Information

Calendar Course Description :
A gross anatomical description of systemic structure and function of the human body, with emphasis on skeletal, muscular, and cardiovascular systems. Integration between systems will be discussed using clinical examples related to sport, medicine, and physical therapy. This is an introductory level, lecture-based course for students in the Faculty of Health Sciences.

Anti-requisite(s):
Anatomy and Cell Biology 2200A/B; Anatomy and Cell Biology 2221; Health Sciences 2330A/B; the former Anatomy enc en-USll

Evaluation will occur across three major areas, subject to change up until the start of the course:

- Unit Quizzes (20%)
  - Each quiz has 15 multiple choice questions. They open at 12:00pm (noon) and are due at 11:55pm (for a total of 84h) via OWL on the dates listed above.
  - There will be five quizzes in total; however, only the top four scores will be counted, each worth 5%. This allows you to miss one quiz without penalty. Note, this includes any quiz missed with academic accommodation.
  - A quiz cannot be submitted after it has been returned to the class, so THERE ARE NO MAKE-UP QUIZZES OR EXTENSIONS.
  - If more than one quiz is missed without approved academic considerations, a grade of zero will be assigned. If academic considerations are approved for two or more missed quizzes, the weight of those sessions will be redistributed.
- Examinations (50%)
  - There are two examinations (midterm and final), written in person and on paper.
  - The midterm examination (20%) includes all content covered in:
    - Unit 1: Introduction
    - Unit 2: Neuroanatomy
    - Unit 3: Upper Limb

    Students who miss the midterm with approved academic considerations will have the option to write a make-up examination (Saturday, March 9 @ 9am) or to have the 20% redistributed to the final examination. A grade of zero will be assigned for a missed midterm without academic considerations.
  - The final examination (30%) is cumulative, covering all content included in:
    - Unit 1 – Unit 3 (midterm content)
    - Unit 4: Lower Limb and Trunk
    - Unit 5: Cardiorespiratory

    Students who miss the final with approved academic considerations will have the option to write a make-up examination (date and time TBD). A grade of zero will be assigned for a missed final without academic considerations.
- Participation (30%)
  - The participation category is comprised of weekly laboratory assessments and PeerWise participation. Details are available on the OWL course website
  - The weekly laboratory assessments (24%) require you to attend and complete the in-class group assignment for a minimum of eight out of the 11 in-person laboratory sessions scheduled throughout the semester.
    - Each submitted laboratory assignment is worth 3%
    - This means that you can miss <u>three</u> laboratory sessions without penalty. This includes sessions missed with academic considerations.
    - If more than three laboratory sessions are missed without approved academic considerations, a grade of zero will be assigned. If academic considerations are approved for more than three missed laboratory sessions, the weight of those sessions will be redistributed. Students must attend at least five labs (submitting the lab assignments for each) to complete the course. Those who miss six or more labs without academic considerations will be debarred from writing the final exam and will receive an F for this course.
  - PeerWise participation (6%) is included to encourage studying through testing.
    - You are required to create a minimum of ten questions within PeerWise for a maximum of 2% (0.2% per question), as well as answer and rate a minimum of 20 peer questions for a maximum of 4% (0.2% per question).
    - Course title: "Anatomy: KIN2222, HS2300 – W24" Course ID: 26760

Lectures:

Content in this course is delivered asynchronously via online modules in OWL. 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 which will provide you with the opportunity to examine anatomical models, experiment with digital learning environments, complete practice questions, and apply your understanding of a given weeks content. You will have one laboratory session per week, facilitated by Teaching Assistants (TAs). Please see the course calendar and weekly OWL tabs 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
11:30am – 12:30pm	HS 008		KIN 003		
12:30pm – 1:30pm	HS 009		KJ: Office Hour (HSB 414)	Dr McWatt: Office Hour (Zoom)	
1:30pm – 2:30pm					
2:30pm – 3:30pm					
3:30pm – 4:30pm			HS 002		
4:30pm – 5:30pm	HS 007			HS 004	
5:30pm – 6:30pm	HS 005		HS 003	HS 006	

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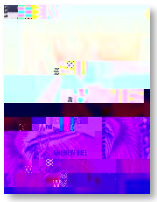

Academic Integrity:

Online Assessment

All of the quizzes in this course will occur asynchronously online. This means that different people may have access to an assessment at a different time than you do. With this in mind, please remember:

1) You should treat these quizzes like you would a test written in a physical room on campus, with proctors. Online assessments are subject to all of the same university-wide rules, regulations, and penalties as in-person assessments.
2) These are NOT open book tests. These are NOT group tests. They are INDIVIDUAL tests. Please complete them as such.
3) You will need to agree to an "Honor Pledge" prior to writing your quiz. Doing so indicates that you understand your responsibility to uphold the integrity of the assessment by not discussing, posting, or sharing information about it until the assessment grades are released. Note, course assessments are protected, copyrighted material and their content should not be posted to third-party websites under any circumstances.
4) Please note that failure to comply with this policy may be considered academic misconduct or a breach of the student code of conduct which may carry a range of penalties.

We recognize the value of collaboration and teamwork, and we will offer multiple opportunities throughout the course for you to engage in such activities. Please use the laboratory and review sessions to work as a group and reserve the quizzes, midterm, and final examinations as

Students seeking academic consideration s:

- s Are advised to consider carefully the implications of postponing tests or midterm exams or delaying handing in work.
- s 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.

How to Succeed in this Course

As a university student, you are ultimately responsible for your own learning t 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 t here are some resources and tips to get you started:

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,

- Figure out what to study and when t plan out several smaller sessions across a week instead of one big one. For the biggest advantage, plan to begin reviewing material two
- Practice recalling information. It may be as simple as covering up text or labels in your notes and trying to remember what was there (e.g., try making practice notes with gaps to write in your answers) or creating flashcards to practice with.
- Do this often, replacing information that you can easily and accurately recall with more challenging or new information as your courses progress.
- The workbook will help with this!

Academic

7. Grades

Where possible assignment objectives and rubrics will be posted on OWL.

Generally, students can expect some form of feedback on their performance in a course before the drop date.

- November 13th, 2023 (for first term half-courses)
- November 30th, 2023 (for full-year courses)
- March 7th, 2024 (for second term half-or full year courses)

A+	90-100	One could scarcely expect better from a student at this level