

**Systemic Approach to Functional Human Anatomy
 KIN 2222A/1060A/HS 2300A
 Intersession 2023**

<p>Instructor: Dr. Katelyn N Wood Email: katelyn.wood@uwo.ca (knorton9) Office Hrs: By appointment, via zoom</p> <p>TAs: KJ Uyeno kuyeno@uwo.ca AJ Stephen asteph8@uwo.ca</p>	<p>Lectures: Online, asynchronous via OWL Labs: In-person, HSB 414</p> <table> <tr> <td>June 1, 2</td> <td>Sec 002</td> <td>9am-12pm</td> </tr> <tr> <td>June 1, 2</td> <td>Sec 003</td> <td>1pm-4pm</td> </tr> <tr> <td>June 22, 23</td> <td>Sec 002</td> <td>9am-12pm</td> </tr> <tr> <td>June 22, 23</td> <td>Sec 003</td> <td>1pm-4pm</td> </tr> </table>	June 1, 2	Sec 002	9am-12pm	June 1, 2	Sec 003	1pm-4pm	June 22, 23	Sec 002	9am-12pm	June 22, 23	Sec 003	1pm-4pm
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NOTE: All course information including grades, assignment outlines, deadlines, etc. are available via OWL. Check the website regularly for course announcements.

<p>Calendar Course Description (including prerequisites/anti-requisites): 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 course for students in the faculty of health sciences.</p> <p>Antirequisite(s): Anatomy and Cell Biology 2200A/B, Anatomy and Cell Biology 2221, Health Sciences 2330A/B, the former Anatomy and Cell Biology 3319.</p> <p>Prerequisite(s): Kinesiology Students: Registration in year 1 or 2 Kinesiology Health Studies + Non-FHS Students: Grade 12U Biology or equivalent is strongly recommended.</p>

You are responsible for ensuring that you have successfully completed all course pre-requisites, and that you have not taken an anti-requisite course.

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 in the event that you are dropped from a course for failing to have the necessary prerequisites.

NOTE: If you wish to enroll in this course without the stated pre-requisite(s), you must obtain written approval from the course instructor. The approval should then be forwarded to your

section. I look forward to meeting you soon!

Course Learning Outcomes:

By the end of the course you should be able to:

- communicate structure location, function and movement using correct anatomical terms
- outline, using pictures and words, principles of neuronal conduction
- explain the basic structure of the nervous system differentiating between the Central vs Peripheral nervous systems as well as Somatic vs Autonomic nervous systems
- understand how the autonomic nervous system regulates homeostasis in the body
- identify major bones, joints, muscles, nerves, and vessels, of the upper limb, lower limb, thorax and pelvis by name, location, and function and identify key surface anatomy landmarks
- understand how the heart and lungs interact to form the cardiorespiratory system, differentiating between systemic and pulmonary circuits
- describe muscle contraction, key events of the cardiac cycle and mechanics of breathing
- explain and predict, based upon clinical signs/symptoms, functional implications of musculoskeletal, neural, and cardiorespiratory changes in aging, exercise and injury

Overall, 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.

Important Dates:

Weekly Schedule:

Every week you are expected to complete the following:

• Complete the modules (asynchronously via OWL)

• Provide feedback on this week’s content, including any questions you have regarding (forums on OWL)

- Complete the MCQ unit quiz. All quizzes will open Wednesday at 4pm (as per the dates above), and will close on the last day of classes, Friday June 23 at 4pm.
- Complete MCQ practice online via PeerWise

Here’s an outline of topics we will address in this course.

wk	Dates	Unit	Topic	
1	May 15-19	1: Intro	1A	Terms + Bones
			1B	Joints, Cartilage, Muscle
2	May 22-26	2: Neuro	2A	Intro to Neuro, CNS, PNS
			3A	Brachial Plexus, Compartments, Force
3	May 29-June 2	3: Upper Limb	3B	Upper Limb I: Shoulder to Elbow
			3C	Upper Limb II: Forearm to Hand
4	June 5-9	4: Lower Limb	4A	

Course/University Policies

1. Statement on Use of Personal Response Systems (“Clickers”)

If Personal Response Systems (“Clickers”) are used in the course, a reference to the Guidelines for their use (Guidelines are shown below). Instructors are to communicate clearly to students information on how clickers are used including: how the student’s privacy will be protected, how clickers may be used by the instructor for data gathering and for evaluating the students, and why they cannot be used by anyone but the student (since the students involved in misuse of a clicker may be charged with a scholastic offence).

2. **Academic offences:** They 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: https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

A) Students must write their essays and assignments in their own words. Whenever students take an idea, or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western Academic Calendar). All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the

5. **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 & Wellness* -- <http://www.health.uwo.ca/>
3. *Registrar's Office* -- <http://www.registrar.uwo.ca/>
4. *Ombudsperson Office* -- <http://www.uwo.ca/ombuds/>

6. **Accommodation, Illness Reporting and Academic Considerations:**

<http://www.w>

reasonable notice in writing, prior to the holiday, to the Instructor and an Academic Counsellor if their course requirements will be affected by a religious observance. Additional information is given in the [Western Multicultural Calendar](#).

7. **Examination Conflicts:** A student with examinations having flexible submission times (e.g., where one or more examination is a take-home examination) cannot request alternative arrangements unless a conflict cannot be avoided by rescheduling writing the exam to a different time within the window specified by the instructor. This applies to direct conflicts as well as “heavy load” conflicts (e.g., three exams within a 23-hour period). The student should discuss any concerns about a potential conflict and/or request accommodation with their academic counselling unit prior to the deadline to drop a course without academic penalty

In the case of online examinations, an “Examination Conflict Room,” which may be assigned when a student is scheduled to write two proctored exams concurrently, will be interpreted as arrangements for continuous proctoring.

8. **Grades:** Where possible assignment objectives and rubrics will be posted on OWL. Should you have a concern regarding the grade you received for an assignment or feel that it is unfair in any way, you must wait 24 hours from the receipt of the assignment to approach the instructor or TA. In doing so, please make an appointment and prepare in writing, with evidence, why you feel your grade is inappropriate. Please be aware that in requesting a grade reassessment, your grade could go up/down/or stay the same. Note that calculations errors (which do occur!) should be brought to my attention immediately.

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

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

Rounding of Grades (for example, bumping a 79 to 80%):

This is a practice some students request. **This practice will not occur here.** The edges of this course are clear and sharp. The mark attained is the mark you achieved and the mark assigned; there is no rounding to the next grade level, or ‘giving away’ of marks. Please don’t ask me to do this for you; the response will be “please review the course outline where this is presented”.

9. **Contingency Plan for an In-Person Class Pivoting to 100% Online Learning:** In the event of a COVID-19 resurgence during the course that necessitates the course delivery moving away from face-to-face interaction, all remaining course content will be delivered entirely online, either synchronously (i.e., at the times indicated in the timetable) or asynchronously (e.g., posted on OWL for students to view at their convenience). The grading scheme will **not** change. Any remaining assessments will also be conducted online as determined by the course instructor

10. **Online Etiquette:** Some components of this course will involve online interactions. To ensure the best experience for both you and your classmates, please honour the following rules of etiquette:

- please “arrive” to class on time
- please use your computer and/or laptop if possible (as opposed to a cell phone or tablet)
- ensure that you are in a private location to protect the confidentiality of discussions in the event that a class discussion deals with sensitive or personal material
- to minimize background noise, kindly mute your microphone for the entire class until you are invited to speak, unless directed otherwise

