

Western University
Faculty of Health Sciences
School of Kinesiology

KIN 3480A - Movement Neuroscience
Fall 2024

<p>Instructor: Dr. Matthew Heath Email: mheath2@uwo.ca Zoom Office Hours:</p> <p>Teaching Assistants: Lauren Giuffre: lguiffre@uwo.ca Denait Haile: dhaile3@uwo.ca</p>	<p>Lectures: M, W, F: 12:30 pm-1:20 pm</p> <p>Instruction Mode: In person</p> <p>Location:</p>
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NOTE: All course information including grades, assignment outlines, deadlines, etc. are available via OWL.

Copyright:

The course instructor owns the intellectual property and asserts copyright protection over any lecture video and all

Course Evaluation:

Assignment

can select a specific theoretical area of movement neuroscience (e.g., reaching and grasping, posture, gait) and provide a presentation of relevant and recent research in that area. Alternatively, you may select a movement disorder (e.g., apraxia, dystonia) and discuss the neuro-motor consequences associated with that disorder. The format of the presentation will entail PowerPoint slides or other similar media. Each member of the group must speak during the presentation and a relative equal amount of time should be provided to each member.

Information for your presentation should be compiled via a combination of scientific text and original research articles. I recommend PubMed to research your topic area (see web link below). I strongly discourage web-based mediums such as Wikipedia or google; these websites are not fully vetted for factual correctness.

The grading rubric for oral presentations is presented at the end of this course outline. The evaluation will be based on individual and group performance.

5. : The Final Exam is scheduled by the Registrar's Office and will include multiple choice and/or short answer responses to material associated with lectures. The exam will be completed online and in-person. **The Final Exam is non-cumulative.**

Course/University Policies

1. The website for Registrarial Services is <http://www.registrar.uwo.ca>.

In accordance with policy, the centrally administered e-mail account provided to students will be considered the individual's official university e-mail address. It is the responsibility of the account holder to ensure that e-mail received from the University at their official university address is attended to in a timely manner.

2. 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, in the Academic Calendar (westerncalendar.uwo.ca).

Plagiarism

Student work is expected to be original. Plagiarism is a serious academic offence and could lead to a zero on the assignment in question, a zero in this course, or your expulsion from the university. You are plagiarizing if you insert a phrase, sentence or paragraph taken directly from another author without acknowledging that the work belongs to him/her. Similarly, you a (w)2 (i)-tu10 (nOhxr)3 (-)20 (y)p(y)20 W(i)-29 -1.15 1-2 (a)4 (r((t)-

In the case of online tests and examinations, use of a “Conflict Room,” wherein student can write two proctored exams concurrently, will be interpreted as arrangements for continuous proctoring.

[Per University policy](#), makeup examinations for final exams (i.e., during the December and April exam periods) are held on the Thursday of the first week of classes in January (for first-term courses) or on the second Thursday in May (for full courses and second-term courses), excepting when a change to this date is approved by the Associate Dean. Typical practice within the FHS is for Schools to collaborate in setting FHS special examination dates, and seek approval for these dates prior to the examination period.

5. *Contingency Plan for an In-Person Class Pivoting to 100% Online Learning*

In the event of a situation that requires this course to pivot to online content delivery, 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

Note that disruptive behaviour of any type during online classes, including inappropriate use of the chat function, is unacceptable. Students found guilty of Zoom-bombing a class or of other serious online offenses may be subject to disciplinary measures under the Code of Student Conduct.

6. Online Proctoring

Tests and examinations in this course may be conducted using a remote proctoring service. By taking this course, you are consenting to the use of this software and acknowledge that you will be required to provide **personal information** (including some biometric data) and the session will be **recorded**. Completion of this course will require you to have a reliable internet connection and a device that meets the technical requirements for this service.

More information about remote proctoring services, including

Schedule (Subject to change)

Week	Topics	Schedule & Deadlines
Week 1:	Introduction	
Week 2:	Neuroscience techniques	
Week 3:	Neuroscience techniques	
Week 4:	CNS structure & function	
Week 5:	CNS structure & function	
Week 6:	NO class this week; online test	
Week 7:	CNS structure & function	
Week 8:	CNS structure & function	
Week 9:	FALL READING WEEK	
Week 10:	CNS structure & function	
Week 11:	CNS structure & function	
Week 12:	CNS structure & function	
Week 13:	Information Processing	
Week 14:	Attention & Memory	

Group Presentation Rubric

Scale: 1-