



Course Code: KIN411 (previously KIN473)

The Neuroanatomy of Human Movement

3 Credits

UBC's Vancouver Campus is located on the traditional, ancestral, and unceded territory of the xwməθkwəyəm (Musqueam) people. The land it is situated on has always been a place of learning for the Musqueam people, who for millennia have passed on in their culture, history, and traditions from one generation to the next on this site.

Course Structure: In-person

Lecture location: Centre for Interactive Research on Sustainability (CIRS), Rm#:1250

Lecture Times: Tuesdays and Thursdays 11:00 am - 12:30 pm

Instructor: Dr. Mark G. Carpenter

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Teaching Assistants:

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GENERAL TUTORIAL SESSION WITH TA's: TBD

Prerequisites: Third-year standing

Learning Materials

Required Textbook: “Neuroanatomy Through Clinical Cases” 3rd Edition,

by Hal Blumenfeld.

Publisher: Sinauer Associates Inc.

Global Learning Objectives

1. To learn functional neuroanatomy through the study of clinical cases
2. To learn how the central nervous system contributes to healthy human movement
3. To learn clinical symptoms associated with movement disorders due to brain injury & disease.

Course Learning Objectives:

By the end of this course, you will be able to:

- Understand the spatial and functional organization of the brain and spinal cord
- Know the major ascending and descending motor and sensory pathways in the CNS
- Learn the major symptoms of movement disorders due to brain injury and disease
- Be able to diagnose from clinical symptoms, the major neural structures and pathways involved in a specific movement disorder
- Demonstrate a professional behavior toward class participation and involvement.

Recorded Lectures in the case of instructor absence:

In the case of an absence or illness of the instructor, some lectures may be delivered online as recorded lectures made available through a link on the KIN 411 Course Canvas webpages. This will ensure all required content for the course will be provided to students throughout the term.

Class notes and use of Canvas:

Class notes (skeleton version) will be made available in PPT file-format through the course website. Students are encouraged to have these notes accessible along with paper and pen for each class. Notes will be posted 18-hours prior to each class. Please keep in mind that these notes provide a basic overview of what will be covered and do not contain important details, information related to discussions, in-class assignments, or specific examples, which will be covered in class. References are made to specific figures found within the required textbook. The instructor and teaching assistants will not make a full set of notes available online, and will not provide them upon request. Missed class notes should be acquired from your classmates, or from recorded lectures if made available online.

Course Assessments

This is an overview of the assessments for this course.

Assessment	Grading
Mid-Term 1 - Thursday, February 9th	20%
Mid-Term 2 - Thursday, March 16th	20%
Final Exam - <i>Date and time of the final exam set by registrar during final exam period</i>	60%

All students are **required to write BOTH mid-term exams and the final examination**.

Note: *Midterm exams are written only during regular scheduled class-time*. Midterm tests will not be rescheduled for any reason. Both Midterm test results will count toward your final grade. Midterm test values can only be re-weighted to the Final exam if written documentation is provided for a University-approved reason for your absence, such as a medical issue or family emergency. If you do not contact your instructor and provide written documentation for an absence from a Midterm, you will be given a score of zero on the assessment.

Question types: Multiple choice, fill in the blank, matching, true/false, short answer

Policies and Expectations:

Class Attendance

Regular attendance is expected of students for all lectures. Students who neglect their academic work and assignments may be excluded from final examinations. Students who are unavoidably absent because of illness or disability should report to their instructors on return to classes.

Academic Accommodation for Students with Disabilities

The University's goal is to ensure fair and consistent treatment of all students, including students with a disability, in accordance with their distinct needs and in a manner consistent with academic principles. Students with a disability who wish to have an academic accommodation should contact Access and Diversity without delay.

Academic Integrity

All UBC students are expected to behave as honest and responsible members of an academic community. Breach of those expectations or failure to follow the appropriate policies, principles, rules, and guidelines of the University with respect to academic honesty may result in disciplinary action. It is your responsibility to become familiar with the University of British

Columbia's Academic Honesty and Plagiarism Policies, as well as the Student Declaration and the consequences of violating these policies.

Additional Materials

Communications

In this course, and throughout your program, you are expected to communicate in a respectful and professional manner. You may find it helpful to review [UBC's Distance Learning Communication Online: Netiquette](#) web page.

University Policies

UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious and cultural observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions. Details of the policies and how to access support are available from the [UBC Senate Website](#).

Course Policies

Please make sure you are familiar with the academic policies and procedures.

Academic Integrity

Students are expected to follow UBC policies for academic integrity and academic misconduct, which includes practices around plagiarism, referencing and citation, and copyright. For more see, UBC's [Learning Commons Academic Integrity resources](#).

Accessibility

If you have any challenges accessing materials that will impact your success in this course, UBC's Centre for Accessibility can support your needs by providing appropriate accommodations to support you.

- Web: [UBC's Centre for Accessibility website](#)
- Email: accessibility@ubc.ca

Learning Analytics

Some of the learning technologies used for this course collect data to support the improvement of teaching and learning. This includes the collection of data related to overall class progress to provide personalized feedback, engagement in discussion forums to support the fostering of community within the course, and how resources are being accessed to support improvements to the course design. To learn more about learning analytics at the Faculty of Education and at UBC, see the [What is Learning Analytics?](#) page.