

ACKNOWLEDGEMENT

UBC’s Point Grey Campus is located on the traditional, ancestral, and unceded territory of the xwməθkwəy̓əm (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. I would also like to acknowledge that you are joining us during this course from many places, near and far, and acknowledge the traditional owners and caretakers of those lands.

COURSE INFORMATION

Course Title	Course Code	Credit Value	Location	Class Meeting Times
Research Methods in Kinesiology	KIN 205 (002) This course was formally listed as KIN 373	3 credits	Web-oriented course	Tuesday and Thursday 8-9:20am PT

INSTRUCTOR CONTACT INFORMATION

Students are always welcome to contact the instructor and teaching assistants via email. When contacting the instructor and teaching assistants, students should use professional [email etiquette](#) and should have the course code (KIN 205) in the subject line. Please keep in mind that it may take us (myself and the teaching assistants) up to 48 hours to respond to your email during the week and we do not check our email on weekends. Please keep this in mind around assignment due dates and just before the midterm.

Some questions can be answered through email while others need to be discussed in a meeting. As such, students are *strongly encouraged to stop by during virtual office hours*.

Course Instructor	Contact Details	Office Hours
Carolyn McEwen, PhD	Email: carolyn.mcewen@ubc.ca Typically, I am able to respond to email inquiries within 48 hours during business hours (Monday-Friday, 9-5 PT).	Tuesdays (9:30-10:30am PT) Thursdays (11-12:00pm PT) Office hours will be hosted on the Zoom main classroom. I am available to meet one on one with students online through Zoom if a student wishes to discuss a question or concern that is private in nature. Please send me an email (carolyn.mcewen@ubc.ca) with your availability to schedule a time that is convenient for both of us. Once a time has been set for our meeting I will send a link for the Zoom meeting via email.

Teaching Assistant Information and Office Hours

Teaching assistants (TAs) are available to meet with students online through [Zoom](#). Please send an email to the TA assigned (by your last name) to you with your availability to schedule a time that is convenient for both you and the TA. Once a time has been set the TA will send you a link for the Zoom meeting.

Students will be assigned alphabetically by their last name to a teaching assistant. This teaching assistant will be grading their first assignment and will also be a point of contact for students throughout the term if students have questions or concerns.

Teaching Assistant	Contact Details	TA working with students with last names starting with
		A - Ga
		Gb – Li
		Lj - R
		S - Z

COURSE DESCRIPTION

This course is an introduction to research methodology in kinesiology. The goal of this course is to provide students with a comprehensive understanding of the research process to allow them to (a) conduct qualitative, quantitative, and mixed methods research and (b) understand and apply knowledge from the scientific literature to future practice in the field of Kinesiology.

COURSE RATIONALE

The focus of this course is to develop students' **information literacy** skills. The ability to critically evaluate research and information is essential for students to foster evidence-based practice in their chosen careers (e.g., physiotherapist, occupational therapist, medical doctor, personal trainer, physical educator etc.). Critical evaluation of research in Kinesiology necessitates an understanding of research design and methods (quantitative, qualitative, and mixed methods designs) that reflect the interdisciplinary nature of the field. Knowledge of research methods and design will allow students to understand and critically evaluate course content in all Kinesiology courses.

COURSE LEARNING AIMS AND OUTCOMES

The overarching aim of this course is for students to develop information literacy skills to foster evidence-based practice in their chosen careers and the ability to critically evaluate Kinesiology course content. Accordingly, students can expect to develop the following skills throughout KIN 205.

The ability to:

- Provide and integrate feedback
- Summarize and synthesize research
- Identify gaps in knowledge and propose recommendations/solutions
- Communicate research findings to a general audience
- Locate appropriate evidence based sources
- Read and critically evaluate academic journal articles
- Ask critical questions when reading academic journal articles
- Critically assess information and research evidence to support/refute claims
- Make informed suggestions and conclusions about information presented in the media

Specific Learning Objectives:

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

- Critically appraise research in the media and search for evidence to support/refute claims
- Discuss the difference between scientific and unscientific questions

- Identify the strengths and limitations of commonly used research methods
- Evaluate the appropriateness of various scientific methods
- Develop a unique research proposal that addresses a relevant scientific question
- Identify ethical issues involved in Kinesiology research
- Understand the diversity of values, resources, and policies governing research

CLASS FORMAT

KIN 205 is a 3 credit course that will be delivered over one semester (January-April 2021).

The course content is delivered in two formats:

1. **Synchronous ('live') online meetings via Zoom** (the [link to the 'live' Zoom class meetings](#) can be found on the course 'home' page on Canvas). Please click [here](#) for a student guide to Zoom and Zoom can be downloaded [here](#). Synchronous online meetings will be held during scheduled class time (Tuesday and Thursday 8-9:20am PT). Synchronous online meetings will include course content delivery (e.g., live lectures), information literacy in-class assignment, and interactive activities. Synchronous class time will be recorded and posted to Canvas (under the corresponding module) with the exception of any breakout room activities. Breakout room activities will not be recorded. Students are strongly encouraged to attend synchronous online meetings to benefit from interacting with the instructor (e.g., ask questions) and other students. The intent of recording the synchronous classes is to provide access for students who may be learning in substantially different time zones and for students to go back and revisit course content.
2. The **online asynchronous** self-paced activities include course content, recorded videos, faculty highlight videos, self-assessment questions, reflection exercises, textbook and academic article readings, peer review of assignments, and completion of assignments.

Synchronous and asynchronous learning activities will be communicated to students each week through the Canvas course announcements. It is incredibly important that students complete all synchronous and asynchronous learning activities for the week by the following Monday to stay on pace with the course and to be able to understand the present course concepts being delivered.

Questions during class meeting times are always welcome and student participation in all class formats is essential for success in the course.

Instructor's Technology Failing During Synchronous Meetings

If the instructor's (Carolyn) technology or internet connection fails during a synchronous meeting please carry on with the activity you are working on or if course content is being delivered please wait up to fifteen minutes or to the end of the scheduled class time (whichever comes first) to allow Carolyn to resolve the issue. If the issue is not resolved within the outlined time period than students are free to 'leave' the Zoom classroom and Carolyn will follow up in a Canvas course announcement with next steps.

Course Communication

The instructor (Carolyn) will use Canvas course announcements as a primary means to communicate the 'plan for the week' (including synchronous and asynchronous learning activities), any changes to the

course, and friendly reminders. Students are responsible for all information contained within course announcements. Please make sure your email address that is listed for notifications in Canvas is one you frequently check. This [link](#) is useful in helping you set up your Canvas notifications.

LEARNING MATERIALS

Readings and Resources

Students are responsible for all readings assigned in the course syllabus and during class meeting times. Readings have been assigned to develop students' understanding of research methods concepts. Not all concepts in the textbook will be covered in class. Concepts from the assigned readings in the textbook will be tested on the midterm. Assigned empirical research and review articles are meant to develop student's understanding and provide examples of concepts discussed in class. Thus, they will not be directly tested on the midterm, but completion of these readings will enhance knowledge of the course material. Both assigned textbook readings and empirical research articles will enhance the ability for students to complete assignments 1, 2, and 3 (see below for details). Additional readings will be made available on the course website (<http://canvas.ubc.ca>).

Required Text

Kowalski, K. C., McHugh, T. F., Sabiston, C. M., & Ferguson, L. J. (2018). *Research methods in kinesiology*. Don Mills, ON: Oxford University Press.

Approximate book store price: New \$85

Approximate EBook book store price: \$41

Approximate [online EBook](#) price: \$40

Approximate online price: New \$120

Students may gain free access to the textbook's [companion website](#). This excellent resource includes eFlashcards and practice quizzes to help you with the course material.

Other Required Readings

Required journal and media articles can be found in the course schedule. Students may gain access to these readings through the 'Library Course Reserve' link on the course webpage (<http://canvas.ubc.ca>).

Additional Readings

There are optional course readings listed in the course schedule and are clearly indicated as 'optional'. These readings have been provided to assist students in their understanding of concepts discussed in synchronous and asynchronous components of the course, but will not be tested on the midterm.

Summary of Technology in the Course

In this course students will use Canvas (+ extensions and integrated apps), Mentimeter, H5P, Zoom, TurnItIn, and Respondus LockDown Browser. All technologies will be integrated into the course webpage in Canvas with the exception of [Respondus LockDown Browser](#) which students will be required to download onto their computers and TurnItIn (requires students to go to an external website).

Class Notes

Class notes to synchronous online meetings and asynchronous videos will be made available in PDF format through the course website. Please keep in mind that these notes provide an overview of what will be covered and do not contain information related to discussions, in-class activities, or detailed

explanations and examples. Please ensure that you are taking additional notes. This information can be accessed through the Canvas course website at <http://canvas.ubc.ca>.

ASSESSMENTS OF LEARNING

Assignments in KIN 205 build on each other. Instead of writing a traditional 'final exam' students will be required to develop a research proposal (assignment 3). Assignments 1 and 2, peer evaluation, and the completion of the tri-council policy statement 2 are designed to assist students in developing the skills necessary to produce a research proposal (assignment 3) on a topic of interest to them relating to Kinesiology and/or health.

Assessment 1

Information Literacy In-class Task

Format

In-class team discussion

Details

Students will work in teams to critically analyze how research is presented in the media. Students are required to come to class prepared having read the assigned media and journal article. Students will submit to the instructor a brief summary of their in-class analysis.

Due Date

Tuesday January 19 (complete in class meeting 8-9:20am); Wednesday January 20 at 11:59 PST (Due)

Weighting

4%

Learning Outcomes

To critically appraise research in the media and search for evidence to support/refute claims

Assessment 2

Peer Evaluation

Format

In-class peer review

Details

Students will be required to submit a draft of their assignments 1, 2, and 3 on Canvas for peer review and feedback. Students will be randomly assigned to provide their peers with feedback on their papers. Students are expected to reflect upon, evaluate, and integrate the feedback that they received into their final version of their papers.

Due Date

A1 submit rough draft = Monday February 22 by 8am PT;
 A1 complete feedback of assigned peers' papers: Tuesday February 23 by 11:59pm PT;
 A2 submit rough draft = Monday March 22 by 8am PT;
 A2 complete feedback of assigned peers' papers: Tuesday March 23 by 11:59pm PT;
 A3 submit rough draft = Monday April 12 by 8am PT;
 A3 complete feedback of assigned peers' papers: Tuesday April 13 by 11:59pm PT;

Weighting

2% x 3 = 6% Total for providing quality feedback to peers on their assignments

<i>Learning Outcomes</i>	To evaluate the appropriateness of various scientific methods; To work collaboratively with peers; To provide and integrate feedback
Assessment 3	Assignment 1: Literature Review Framework
<i>Format</i>	Paper
<i>Details</i>	Students will select a topic in Kinesiology and/or health and write a framework for a literature review using peer-reviewed empirical research articles.
<i>Due Date</i>	Friday February 26, 2021 11:59pm PT
<i>Weighting</i>	15%
<i>Learning Outcomes</i>	To identify the strengths and limitations of commonly used research methods; To evaluate the appropriateness of various scientific methods; To summarize and synthesize research; To identify gaps in knowledge and propose recommendations/solutions; To communicate research findings to a general audience; To locate appropriate evidence based sources; To read and critically evaluate academic journal articles
Assessment 4	Assignment 2: Research Purpose and Plan
<i>Format</i>	Paper
<i>Details</i>	Students will identify concepts and variables relevant to their research proposal
<i>Due Date</i>	Friday March 26, 2021 11:59pm PT
<i>Weighting</i>	15%
<i>Learning Outcomes</i>	To identify the strengths and limitations of commonly used research methods; To evaluate the appropriateness of various scientific methods; To identify gaps in knowledge and propose recommendations/solutions; To locate appropriate evidence based sources
Assessment 5	Assignment 3: Final Research Proposal
<i>Format</i>	Paper
<i>Details</i>	Students will create a research proposal that includes an introduction to their research topic, a summary of important literature (literature review), an overview of the study's methods and procedures, and a discussion about the relevance of the proposal.
<i>Due Date</i>	Friday April 16, 2021 11:59pm PT
<i>Weighting</i>	30%
<i>Learning Outcomes</i>	To develop a unique research proposal that addresses a relevant scientific question; To identify the strengths and limitations of commonly used research methods; To evaluate the appropriateness of various scientific methods; To identify gaps in knowledge and propose recommendations/solutions; To locate appropriate evidence based sources; To identify ethical issues involved in Kinesiology research; To summarize and synthesize research; To communicate research findings to a general audience; To read and critically evaluate academic journal articles

Assessment 6	Midterm Exam
<i>Format</i>	Multiple-choice, fill in the blank, and short answer questions
<i>Details</i>	Students will be required to answer questions based on assigned textbook readings and synchronous and asynchronous course content
<i>Due Date</i>	Thursday March 18, 2021 between 8-9:20am PT. Students are required to complete the midterm in ‘real time’ on Canvas. Students who are unable to complete the midterm during the scheduled time should contact the instructor (carolyn.mcewen@ubc.ca) as soon as possible.
<i>Weighting</i>	25%
<i>Learning Outcomes</i>	To demonstrate an understanding of the fundamental principles and concepts in research methods; To identify the strengths and limitations of commonly used research methods; To evaluate the appropriateness of various scientific methods
Assessment 7	Tri-council Policy Statement 2 Tutorial
<i>Format</i>	Online research ethics tutorial
<i>Details</i>	Students will be required to complete the online research ethics tutorial
<i>Due Date</i>	Tuesday April 13, 2021 11:59pm PT
<i>Weighting</i>	5%
<i>Learning Outcomes</i>	To identify ethical issues involved in kinesiology research

Grading

Assessment	%	Due Date
Information Literacy In-Class Task	4%	In class meeting time: Tuesday January 19 8-9:20am PT; Due: Wednesday January 20 11:59pm PT
Peer Feedback	6%	A1 submit rough draft = Monday February 22 by 8am PT; A1 complete feedback of assigned peers’ papers: Tuesday February 23 by 11:59pm PT; A2 submit rough draft = Monday March 22 by 8am PT; A2 complete feedback of assigned peers’ papers: Tuesday March 23 by 11:59pm PT; A3 submit rough draft = Monday April 12 by 8am PT; A3 complete feedback of assigned peers’ papers: Tuesday April 13 by 11:59pm PT;
Assignment 1: Literature Review Framework	15%	Friday February 26, 2021 11:59pm PT
Midterm Exam	25%	Thursday March 18, 2021 between 8-9:20am PT
Assignment 2: Research Purpose and Plan	15%	Friday March 26, 2021 11:59pm PT
Completion of the Tri-council Policy Statement 2 Tutorial	5%	Tuesday April 13, 2021 11:59pm PT

Assignment 3: Final Research Proposal	30%	Friday April 16, 2021 11:59pm PT
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Due dates/exams will not be rescheduled for any reason other than a medical issue or family emergency. If you miss a due date or exam for an emergency, you must contact your instructor as soon as possible. If you do not contact your instructor, your assignment will be considered late (see below) or in the case of missing an exam, it will be given a score of zero. If you are not able to write the midterm due to a medical issue or family emergency then the 25% from the midterm will be redistributed to your final assignment (final assignment would be 55% of final grade). All extensions, rescheduling, or other concessions are at the discretion of the instructor.

Assignments are due at 11:59pm PT. Late assignments will be deducted at a rate of 10% per day. Deductions will commence from the date and time the assignment is due, and will accumulate for each subsequent 24-hour period, including weekends. Assignments are not accepted after 6 days (e.g. if an assignment is due on a Monday at 11:59pm, it can be handed in up until the following Sunday at 11:59pm (with a 60% deduction).

For assignments 1, 2, and 3 you are required to submit your assignments electronically through Canvas and Turnitin. Assignments will not be accepted through email. Students are responsible for making sure that their electronic submissions were successful and have sufficient internet speed to upload their assignments.

Occasionally students will have questions or disagree with the grade they received on an assignment. Students should contact the teaching assistant who graded their assignment **no sooner than 48 hours**, and **no later than one week after the assignment is handed back**. If students still have a question about how their assignment was evaluated then they are welcome to submit a re-grade request to the instructor (Carolyn) **within one week of meeting with their teaching assistant**. The instructor will download a fresh copy of the assignment and the entire assignment will be re-graded. Please note that when a grade is reviewed, the final re-graded assignment may receive a higher, lower, or the same mark from the originally assigned grade.

Policy on Information Literacy in Class Task Attendance

Students are required to attend the synchronous class meeting for the Information Literacy In Class Task (4% of final grade) to be held on Tuesday January 19 8-9:20am PT on Zoom (please see Canvas for assignment details). Students not able to attend the class due to illness or emergency should contact the instructor (carolyn.mcewen@ubc.ca) prior to the designated class.

Policy on Peer Review of Assignments 1, 2, and 3

Peer review of assignments 1, 2, and 3 will be conducted online. To be eligible to engage in the peer review process you must submit the rough draft of the assignment by the designated time and date. If you do not have your rough draft uploaded by the designated time and date then you will lose the opportunity to review your peers' assignments (participation grade of 2% per assignment) and to have your assignment reviewed. Addressing/incorporating the feedback you receive into your final draft is worth marks on each assignment. Consequently, if you missed the rough draft submission you have missed the opportunity to gain these marks. Students must also provide feedback to their assigned

peers' papers by the designated time and date to be eligible for the 2% per assignment participation grade. Please plan accordingly to be in a space that provides sufficient internet for uploading.

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 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 on [the UBC Senate website](#).

Inclusivity

Education is a multidisciplinary field that brings together faculty, students and others from diverse academic and personal backgrounds. UBC's Faculty of Education is committed to creating a respectful workplace and learning environment that supports inclusion based on the principles of equity, diversity and social justice in order to create an environment that supports its community members' full participation. The Faculty of Education is committed to providing accessible, usable, and welcoming spaces for faculty, staff, students, and visitors who have disabilities, are members of racialized communities, Indigenous, transgender, two-spirit and gender-diverse people, regardless of their age, sexual orientation, social status, religion, ethno-linguistic, nationality and/or citizenship status.

School of Kinesiology courses take place in learning environments that are inclusive of gender identity, gender expression, sex, race, ethnicity, class, sexual orientation, ability, age, etc. Learners and educators expect to be treated respectfully at all times and in all interactions. Non-sexist, non-racist, non-homophobic, non-transphobic and non-heterosexist language is expected in School of Kinesiology classes, course content, discussions and assignments.

Please feel welcome to e-mail your instructor your name and pronouns and how you would like these to be used.

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.

Students are responsible for submitting original work and accurately citing (referencing) the work of others within assignments. All submitted assignments become the property of the University of British Columbia and electronic copies of submitted assignments will be stored and used to check against future, present, or past cases of academic misconduct. Students will also be required to submit a copy of all of their assignments to TurnItIn.com.

Students Learning Outside of Canada

During this pandemic, the shift to online learning has greatly altered teaching and studying at UBC,

including changes to health and safety considerations. Keep in mind that some UBC courses might cover topics that are censored or considered illegal by non-Canadian governments. This may include, but is not limited to, human rights, representative government, defamation, obscenity, gender or sexuality, and historical or current geopolitical controversies. If you are a student living abroad, you will be subject to the laws of your local jurisdiction, and your local authorities might limit your access to course material or take punitive action against you. UBC is strongly committed to academic freedom, but has no control over foreign authorities (please visit <http://www.calendar.ubc.ca/vancouver/index.cfm?tree=3,33,86,0> for an articulation of the values of the University conveyed in the Senate Statement on Academic Freedom). Thus, we recognize that students will have legitimate reason to exercise caution in studying certain subjects. If you have concerns regarding your personal situation, consider postponing taking a course with manifest risks, until you are back on campus or reach out to your academic advisor to find substitute courses. For further information and support, please visit: <https://academic.ubc.ca/support-resources/freedom-expression>

OTHER COURSE POLICIES

STUDENT RESPONSIBILITIES

You are responsible for all material covered in the course (including course announcements and missed synchronous meetings). You are also responsible for getting your own notes from classes and videos as well as information pertaining to changes in the course outline, readings, assignments, and information pertaining to the exam.

Please note the following dates:

Term Dates: **Monday January 11, 2021 – Wednesday April 14, 2021**

Last date for withdrawal without a W on your transcript: **January 22, 2021**

Last date for withdrawal with a W standing on your transcript (course cannot be dropped after this date): **March 12, 2021**

Midterm break: **February 15-19, 2021**

Exam dates: **April 18-29, 2021 (not applicable for this course)**

ACADEMIC ACCOMODATION FOR STUDENTS WITH DISABILITIES

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 and register with the [Centre for accessibility](#) without delay. Please contact the instructor (Carolyn) early to discuss any accommodations that you require. I (Carolyn) also welcome feedback and suggestions on how to make this course more widely accessible to students with a disability.

POLICY ON TEXT-MATCHING SOFTWARE

UBC subscribes to Turnitin, an online system that compares written material with the Web and with other material submitted to its database. Faculty, staff and students can upload submissions and check for duplication of material in other sources and possible plagiarism.

LEARNING ANALYTICS

Learning analytics includes the collection and analysis of data about learners to improve teaching and learning. This course will be using the following learning technologies: Canvas (+ extensions and integrated apps), Mentimeter, H5P, TurnItIn and Zoom. Many of these tools capture data about your activity and provide information that can be used to improve the quality of teaching and learning. In this course, I plan to use analytics data to:

- View overall class progress
- Review statistics on course content being accessed to support improvements in the course
- Track your progress in order to provide personalized feedback
- Understand your engagement with the course

COPYRIGHT

All materials of this course (course handouts, lecture slides, assessments, course readings, instructor recorded videos etc.) are the intellectual property of the Course Instructor or licensed to be used in this course by the copyright owner. Redistribution of these materials by any means without permission of the copyright holder(s) constitutes a breach of copyright and may lead to academic discipline.

Students are not permitted to record or take photographs/screenshots of any course content unless they are granted prior permission from the instructor.