

Acknowledgement of Indigenous Peoples and Traditional Territories:

York University recognizes that many Indigenous nations have longstanding relationships with the territories upon which our campuses are located that precede the establishment of York University. We acknowledge our presence on the traditional territories of the Mississaugas of Credit First Nation, the Huron-Wendat, the Haudenosaunee Confederacy and the Métis Nation of Ontario

**YORK UNIVERSITY
FACULTY OF HEALTH
SCHOOL OF KINESIOLOGY AND HEALTH SCIENCE**

**KINE 2049 3.0 RESEARCH METHODS IN KINESIOLOGY
FALL 2023 COURSE OUTLINE**

Course Coordinator:

Christy Costanian, Ph.D.

All inquiries related to course scheduling, accommodations, exams or quizzes, and lab-related matters.

Instructors:

Chris Arden, Ph.D.

Omar Adil, M.Sc.

Contact for questions on lecture content only.

Office Hours for Prof.s Arden and Adil will be run weekly through Zoom (Wednesdays 3:00-4:00).

Course email: kine2049@yorku.ca

All email inquiries **must** be sent to this address; emails sent to professors' individual emails will not be answered

Lecture Time: M/W 10:30-11:20 [Section A]; M/W 11:30-12:20 [Section B]

Lecture Location: CLH-L

Lab Location: CB 125A [Section A] or CB 162 [Section B]

Expanded Course Description: This course is an introduction to the procedures utilized to design and conduct research in the discipline of Kinesiology. Topics covered include research design, ethics in research, information retrieval, data collection methods, subject selection, sources of error, types of research, and presenting results. In addition, students will gain "hands-on" experience using computers as a tool to assist in research. *Course Credit Exclusions:* PSYC 2030 3.0

Learning Outcomes: At the completion of KINE 2049 3.0 students will be able to:

1. Describe the "scientific method/process".
2. Critically reflect upon health science literature in popular media.
3. Evaluate a research study conducted in the area of Kinesiology and Health Science (KHS).
4. Compare and contrast a variety of research designs appropriate for the field of KHS.
5. Define terminology commonly utilized in research.
6. Design and create a poster presentation on an academic topic related to KHS.
7. Apply Excel and other software formulas and functions to answer research questions.

Take Care of Yourself:

We all face stressors and anxiety in our lives, both academic and otherwise. Please be kind and gentle with yourselves and others. There are a number of online free resources available to help support you. If you need help, the following list of websites (this is not an exhaustive list) may be a good place for you to start:

<https://good2talk.ca/>

<https://counselling.students.yorku.ca/>

<https://yorkinternational.yorku.ca/>

Useful links describing computing information, resources and help for students:

<u>Student Guide to eClass</u>	https://lthelp.yorku.ca/student-guide-to-eClass
<u>Computing for Students Website</u>	https://student.computing.yorku.ca/
<u>Student Guide to eLearning at York University</u>	http://elearning-guide.apps01.yorku.ca/
<u>Learning Skills Services</u>	https://www.yorku.ca/sclد/learning-skills/
<u>Zoom@YorkU User Reference Guide</u>	http://staff.computing.yorku.ca/wp-content/uploads/sites/3/2012/02/Zoom@YorkU-User-Reference-Guide.pdf
<u>Zoom@YorkU Best Practices</u>	https://staff.computing.yorku.ca/wp-content/uploads/sites/3/2020/03/Zoom@YorkU-Best-Practicesv2.pdf

Students are responsible for being actively involved in the course, and for checking eClass regularly and frequently to ensure you have the latest information about the course. “I did not know because I missed class” or “because I did not check eClass” are not excuses that will be accepted under any circumstances for the course.

Organization of the Course

Lectures: Face-to-face classes (CLH-L) will be recorded and posted on eClass for studying purposes. All lectures/other recordings will be removed following the Quizzes and will be re-posted one-week prior to the deferred quiz date. Midterm tests will be held ONLINE in the scheduled class time slots (Section A at 10:30 am and Section B at 11:30 am). Students must write with their section.

Laboratories: Students are expected to attend their scheduled laboratories each week (your lab time and location can be found in your class schedule). If you have a conflict with your lab time, there will be a lab switch forum posted in eClass so you can find another student to switch with for the semester. Teaching Assistants (TA) will facilitate your learning in data collection, management, and reporting through practice with basic functions in excel and PPT. There are 10 labs, each of which is worth 1% of your final grade. Labs are required – if you do not turn in a lab assignment, the weight of that assignment (1%) will be added to your final lab exam. (The final lab exam will be conducted during the same three-hour period as your final lecture exam during the December exam period).

Lab Location: CB 125A [Section A] or CB 162 [Section B].

See the York University Lecture Schedule for a listing of lab times. Students will be able to complete the lab assignments at home prior to attending the weekly lab if they have internet access.

*Labs commence the week of **September 18, 2023**.

The following statement MUST be included with each lab assignment that is submitted. "I confirm that the assignment I have submitted has been done independently and is my own work. I am aware of York University's policies about plagiarism and the penalties for plagiarism."

Computer Accounts: All students require an **eClass** account and a "FAS – File Access Service" account. Check via Manage My Services. It is expected that students will check their eClass accounts daily.
<http://eClass.yorku.ca>

Course Materials:

Course Textbook (Required): *Research Methods in Kinesiology 2nd Edition* by Kowalski, McHugh, Sabiston, and Ferguson (Oxford University Press, 2022). Our course textbook will be available in hard copy through the York University bookstore under the course code, or by eBook, with purchase options available in eClass. The cost of the textbook is ~\$70.

Note: This is a new textbook from Canadian researchers, specifically designed for application in Kinesiology and Health Science. In previous years, 2049 lecture readings have been compiled into a reading package. As a result, past quizzes and exams may include additional material not captured in these prior evaluations. Materials for KINE 2049 this year include only: i) PDF content of lecture slides; ii) the course Textbook, and; ii) Lab Manual. The lab manual is posted on eClass, and lecture PDFs will be made available on the Sunday prior to the start of each week.

Technical requirements for taking the course:

Two platforms will be used (i.e., eClass, iClicker and Zoom) through which students will interact with the course materials, the course directors, Teaching Assistants, as well as with one another. iClicker is a mobile app which can be downloaded and used for free by York students. If a student does not have a mobile device to use iClicker in class, they may submit answers/participation by paper during class time (please note: identification may be required in this situation).

Evaluation:

There are two (2) ONLINE quizzes, 10 (weekly) labs, and one final lecture and lab exam in this course. All tests are mandatory.

Midterms/Final Exam: these will assess your knowledge of material from lectures. Lecture quizzes are multiple choice. These are closed-book tests, meaning students are not permitted to use notes or other assistive resources during a test.

Lab Exam: this will assess your knowledge of material from labs 1-10. The lab exam questions will be fill in the blank and will involve the identification of excel functions and problem-solving questions from laboratories. These are closed-book tests, meaning students are not permitted to use notes or other assistive resources during the exam.

Lecture Quizzes and Final Exam (based on lecture and reading material)

Quiz 1: Overview of Research Process / Research Ethics / Quantitative Study Designs

Monday October 23, 2023

20% of final grade (ONLINE)

Material from Prof. Ardern (Sept. 6th – Oct. 18th inclusive)

Quiz 2: Qualitative Studies / Mixed Methods Research

Monday November 20, 2023

20% of final grade (ONLINE)

Material from Prof. Adil (Oct. 25th-Nov. 15th inclusive)

Final Exam (Includes two components 50%-60%):

Part I (Lectures): All Lecture Content

40% of final grade (IN PERSON)

Part II (Labs): All Lab Content (Labs 1-10)

***10-20% of final grade (IN PERSON)**

**any lab assignments not completed will have the weight of that lab (1%) transferred to the final lab exam.*

Note: Part I and Part II will be completed within the same 3 hour block during the Final Exam Period (Dec. 7th-20th, 2023)

Note: All quizzes and lecture exams will cover all assigned readings and lecture content. While Quiz 1 and 2 only cover portions of the course, material for quiz 2 will build on previously learned material from Quiz 1; therefore, you will need to apply concepts from earlier in the semester to later tests. The final exam is cumulative, and will incorporate material from all lectures and readings. The Lab Exam will cover all material in the lab manual.

It is the expectation that all students who enroll in this course are available at lectures times (for tests) as well as their lab time. Having a conflict with another course is NOT a reasonable excuse for missing a course component.

Bonus marks (3%): Students who volunteer, register and participate subjects in research conducted by KINE faculty members are eligible to earn bonus marks. See eClass for further details about **KURE**.

Students, who do not write Mid-term 1, waive the right to receive “a specific percentage of graded feedback” prior to the drop date for the Fall term.

Students must complete all of the lab assignments to be eligible for end of term grade adjustments.

Course Schedule:

<u>Week</u>	<u>Topic</u>	<u>Laboratory</u>	<u>Reading</u>
1 (Sept. 6)	Course Introduction	No Labs	No Reading
2 (Sept. 11 - 13)	Overview of Research	No Labs	Chapter 1
3 (Sept. 18 - 20)	Research Questions and Study Purposes	Lab 1: Introduction	Chapter 2
4 (Sept. 25 - 27)	Research Ethics	Lab 2: Introduction to Excel	Chapter 3
5 (Oct. 2 - 4)	Quantitative Study Designs, Sampling	Lab 3: Summarizing Data	Chapter 4
6 (Oct. 9 - 11)	<i>Fall Reading Week: No Class, No Labs</i>		
7 (Oct. 16 - 18)	Quantitative Study Designs, Internal and External Validity	Lab 4: Problem Solving with Excel	Chapter 5 (p 116-119 <u>only</u>); Chapter 6
8 (Oct. 23 - 25)	Quiz 1 (Oct. 23), Qualitative Study Designs (Oct. 25)	Lab 5: Manipulating Data	Chapter 7
9 (Oct. 30 - Nov. 1)	Examples of Qualitative Research and Qualitative Data Analysis	Lab 6: Multiple Worksheets	Chapters 7, 8
10 (Nov. 6 - 8)	Merits of Qualitative Research	Lab 7: Simulation and Prediction	Chapter 9
11 (Nov. 13 - 15)	Mixed Methods Research	Lab 8: Database Features of Excel	Chapter 10
12 (Nov. 20 - 22)	Quiz 1 (Nov. 20), Participatory Action Research (Nov. 22)	Lab 9: Introduction to Poster Presentations	Chapter 11
13 (Nov. 27 - 29)	Knowledge Translation, Examples	Lab 10: Using Excel to Solve Problems	Chapters 12
14 (Dec. 4)	Research in Practice	No Labs	No reading
Dec. 7-20	Exam Period		

****Midterms will begin at 10:30 am (Section A) and 11:30 am (Section B).***

Prof. Ardern: Chapters 1-6, Sept. 6 – Oct. 18th inclusive

Prof. Adil: Chapters 7-12, Oct. 25 – Dec. 4th inclusive

*****Deferred tests for Midterm 1 and Midterm 2 will be held ONLINE on Nov. 10th, and Dec. 1st, respectively, during regular class times (10:30am for Section A and 11:30am for Section B). The Deferred test for the Final Exam will be held in the first week of February, 2024.***

^The last date to drop a course without receiving a grade is Wednesday November 8, 2023. See the University Calendar for further relevant dates: <https://calendars.students.yorku.ca/>

Communication: Several modes of communication with the instructors, teaching assistants and other students have been set up to maximize communication and a sense of community.

Communicating with Instructor(s): The course coordinator (Dr. Christy Costanian) can be contacted through the course email address (kine2049@yorku.ca) only. If you have questions related to course content, or general course questions please post them in the discussion forums on eClass. Instructors (Profs. Adil and Ardern) will also hold virtual office hours each week via Zoom.

Communicating with your lab TA: To contact your TA, you can either post in the Laboratory Discussion Forum on eClass, or email kine2049@yorku.ca and include your name and your lab number so we can forward your email to the appropriate TA.

Communicating with other students: You are highly encouraged to communicate with your fellow students through the discussion forums on eClass. You are welcome to post course-related questions, as well as study tips or helpful websites/apps.

Lectures, meetings, and correspondence (including emails and eClass posts) are protected under Copyright. Any sharing or distribution of these materials can result in academic penalties.

Policies

Grading:

Grades are non-negotiable. Any appeal for a grade revision (a) must be received by the instructor WITHIN 7 CALENDAR DAYS of the date of the exam viewing, (b) must be MADE IN WRITING, and (c) must EXPLICITLY STATE why the student believes the grade is in error. Aside from addition errors, any re-grading requests for the labs will be handled by the Course Coordinator and will result in a review of the entire lab and not a single question in isolation; as a result, student grades may increase, remain unchanged, or decrease as a result of a re-evaluation. Any quiz adjustments will be made for the entire class. Grade disputes after this 7-calendar day period will not be considered. Requests for grade revision will be made.

Missed tests:

If you miss a midterm or final exam, you may write the deferred lecture test on the dates indicated above. ***No supporting documentation is required.*** If you miss a deferred test, supporting documentation may be required, and the next available time to write the test will likely be the next offering of KINE 2049 (Fall 2024).

If you know IN ADVANCE that you will be missing a test, please notify the instructors (kine2049@yorku.ca) at least 7 calendar days ahead of the test and attach relevant documentation, so that appropriate accommodations can be made (i.e., for a scheduled varsity event).

Deferred tests for Midterm 1 and Midterm 2 will be held on Nov. 10th, and Dec. 1st, respectively at 10:30am (Section A) and 11:30am (Section B). A Deferred Test for the Final Exam will be held in early February 2024. Deferred tests may not necessarily be the same format or style as the original test. It is expected that deferred tests will take precedence over other commitments. There will not be a second opportunity to write a deferred test.

There are no deferred dates for lab assignments to be handed in. If you miss a lab assignment, the weight will automatically of the lab (1%) will be automatically transferred to the final lab exam. No action is required from you.

Test Viewing:

Supervised test viewing will be scheduled after each test for learning purposes. No phones/other means of notetaking/capturing will be allowed in test viewings. Please be aware that the instructors will personally examine all test questions after the completion of each test to ensure that no issues exist with respect to grading or question clarity. If the instructors do identify any issues, student grades will be automatically corrected accordingly.

Email communication:

All electronic communication with the Course Instructors and Teaching Assistants must be through the course email address: kine2049@yorku.ca or through eClass discussion forums. When emailing, please INCLUDE YOUR FIRST AND LAST NAME AND STUDENT ID. Emails are a form of communication and the spelling, grammar and tone will reflect your communication skills. Emails should be written using professional language that would be acceptable in a workplace to a manager. Emails that include inappropriate form/language (i.e. “Hey”, “c u l8tr”, etc.) or without student name and ID will not be read or returned.

Student Code of Conduct:

Students and instructors are expected to maintain a professional relationship characterized by courtesy and mutual respect and to refrain from actions disruptive to such a relationship. Moreover, it is the responsibility of the instructor to maintain an appropriate academic environment, and the responsibility of the student to cooperate in that endeavor. Students must conduct themselves in accordance with York University’s Student Code of Conduct. This includes all aspects of the course, including online environments. A statement of the policy and procedures involving disruptive and/or harassing behaviour by students in academic situations is available at: <https://oscr.students.yorku.ca/student-conduct>.

Student Code of Rights and Responsibilities:

This code is intended to be educative and promote accountability among students toward their peers and other members of the York community. This code identifies those behaviours that are disruptive to the educational purposes of the University, make the campus less safe, diminish the dignity of individuals and groups, and the enjoyment of their rights. It applies specifically to students because the behaviours of non-student members of the University community are held to comparable standards of account by provincial laws, University policies, and their unions’ collective agreements. Information about how to address a concern or a complaint regarding a faculty or staff member can be found at: <http://oscr.students.yorku.ca/>.

Academic Integrity:

Students are expected to maintain the highest standards of academic integrity related to issues such as cheating, enabling cheating, plagiarism, authentic documentation, etc. Breaches of academic integrity will not be tolerated.

The School of Kinesiology and Health Science takes academic dishonesty very seriously and will abide by York University’s Senate Policy of Academic Honesty to adjudicate all cases. Students are expected to make efforts to discourage any and all (un)intentional breaches from their course work. Students are expected to complete their own work without assistance, in part or whole, on assignments and tests. Students are expected to act in accordance with the Senate Policy of Academic Honesty and are responsible for familiarizing themselves with these guidelines. Breaches of academic integrity will be handled under the disciplinary proceedings as outlined in: <http://calendars.registrar.yorku.ca/2015-2016/policies/honesty/index.htm>.

Test Banks:

The offering for sale of, buying of, and attempting to sell or buy test banks (banks of test questions and/or answers), or any course specific test questions/answers is not permitted in the Faculty of Health. Any student found to be doing this may be considered to have breached the [Senate Policy on Academic Honesty](#). In particular, buying and attempting to sell banks of test questions and/or answers may be considered as “Cheating in an attempt to gain an improper advantage in an academic evaluation” (article 2.1.1 from the Senate Policy) and/or “encouraging, enabling or causing others” (article 2.1.10 from the Senate Policy) to cheat.

Accessibility:

York University provides services for students with accessibility concerns (including physical, medical, learning, and psychiatric), who require accommodation related to teaching and evaluation methods/materials. It is the student’s responsibility to register with Student Accessibility Services as early as possible to ensure that appropriate academic accommodation can be provided with advance notice. You are encouraged to email a copy of your accommodation letter to your instructors as early as possible in the semester, and to schedule a time early in the term to meet with your instructor to discuss your accommodation needs. Failure to make these arrangements may jeopardize your opportunity to receive academic accommodations. Requiring accommodation does not relieve students from following course policies. Student Accessibility Services can be accessed here:

<https://accessibility.students.yorku.ca/>.

Several platforms will be used in this course (e.g., eClass, Zoom, etc.) through which students will interact with the course materials, the course director / TA, as well as with one another. Please review the syllabus to determine how the class meets (in whole or in part), and how office hours and presentations will be conducted.

Students shall note the following:

- Zoom is hosted on servers in the U.S. This includes recordings done through Zoom.
- If you have privacy concerns about your data, provide only your first name or a nickname when you join a session.
- The system is configured in a way that all participants are automatically notified when a session is being recorded. In other words, a session cannot be recorded without you knowing about it.

Technology requirements and FAQs for eClass can be found here -

<http://www.yorku.ca/eClass/students/faq/index.html>

Important Resources

Library Help: if you are having issues accessing Primal Pictures, please refer to the help and tutorial links in eClass. If you having trouble with other library content, please go to the York Library website and click on “Chat Is Online”, <https://www.library.yorku.ca/web/>.

Learning Commons: Your York home for study help and workshops,

<http://learningcommons.yorku.ca/>.

Computing Help: This site has answers to many frequently asked questions, <http://student.computing.yorku.ca/>. In addition, on the right-hand side you can chat directly with someone at the help desk or submit a ticket for more detailed help if necessary.

Student Accessibility Services: If you need assistance with anything related to equity or accessibility, this is a great place to start: <https://accessibility.students.yorku.ca/>.

Calumet and Stong Colleges' Student Success Programming:

[Calumet](#) and [Stong](#) Colleges aim to support the success of Faculty of Health students through a variety of **free programs** throughout their university career:

- [Orientation](#) helps new students transition into university, discover campus resources, and establish social and academic networks.
- [Peer Mentoring](#) connects well-trained upper-year students with first year and transfer students to help them transition into university.
- [Course Representative Program](#) aims to build the leadership skills of its Course Reps while contributing to the academic success and resourcefulness of students in core program classes.
- [Peer-Assisted Study Session \(P.A.S.S.\)](#) involve upper-level academically successful and well-trained students who facilitate study sessions in courses that are known to be historically challenging.
- [Peer Tutoring](#) offers one-on-one academic support by trained Peer Tutors.
- Calumet and Stong Colleges also support students' [Health & Wellness](#), [leadership and professional skills development](#), [student/community engagement and wellbeing](#), [career exploration](#), [Indigenous Circle](#), [awards and recognition](#), and [provide opportunities to students to work or volunteer](#).
- Please connect with your Course Director about any specific academic resources for this class.
- For additional resources/information about our student success programs, please consult our websites ([Calumet College](#); [Stong College](#)), email scchelp@yorku.ca, and/or follow us on Instagram ([Calumet College](#); [Stong College](#)), Facebook ([Calumet College](#); [Stong College](#)) and [LinkedIn](#)
- Are you receiving our weekly email (Calumet and Stong Colleges - Upcoming evens)? If not, please check your Inbox and Junk folders. If you do not find our weekly emails, then please add your 'preferred email' to your Passport York personal profile. If you need support, please contact ccscadm@yorku.ca, and request to be added to the listerv.