

General Information

Course #	EDKP-443
Section #	001
Term	Fall
Year	2023
Course schedule	Sect 001: Tuesday and Thursday: 1:05p.m.-2:25p.m. PHE program-specific
(day and time of class)	In-Person: ENGTR 1080
Number of credits	3 credits

Instructor Information

Name and Title	William Harvey
E-mail	william.harvey@mcgill.ca
Virtual office hours	Wednesday: 1:30p.m.-2:30p.m.
Communication plan	Group and individual work opportunities are placed within the classroom timeframe of this course for students to ask questions and work on their semester's projects and assignments. A Zoom office hour will also be provided for general course questions on Wednesday afternoons (1:30p.m.-2:30p.m.). A waiting room will be provided for students to ask questions individually during this time. For any other requests to consult with me, please send an email to set up individual virtual or phone meetings. Please expect a 24-48 hour anticipated response time during our work week.

TA Information

Name & Email	Mily Huang
Email	yjia.huang@mail.mcgill.ca

Course Description

This course provides an introduction on how to understand and conduct research in physical activity. It includes a comprehensive overview of the research process used in physical and health education (PHE) and kinesiology research. This course will highlight instruction and discussions about ethical principles, research philosophies, various types of research designs (including quantitative, qualitative, & mixed methods), statistical and measurement concepts and a variety of ways that research may be presented.

Course Objectives (This course will ...)

1. Teach students to read, evaluate, and discuss research in PHE and kinesiology. They will also learn to summarize and synthesize research findings and critically evaluate scientific articles and media reports of research studies.

2. Teach students to develop and practice independent learning and critical-thinking skills, particularly as they relate to research in the field of PHE and kinesiology.
3. Provide students with the basic skills needed to design and interpret analytical, descriptive, epidemiologic, experimental, qualitative, and mixed-methods research.

Learner Outcomes

Upon completion of this course, students will be able to:

1. Identify the role and the value of research in the area of PHE and kinesiology.
2. Identify the basic principles and processes underlying research in PHE and kinesiology.
3. Analyze a variety of research problems in the fields of PHE and kinesiology in order to identify appropriate research methods.
4. Appraise quantitative, qualitative and mixed-methods research systematically.
5. Link research and theory to instructional practices in PHE and physical activity.
6. Demonstrate the ability to think creatively, critically, and analytically.

Instructional Method

This course will be conducted through the use of lectures, small individual and group class-based activities as well as class presentations. All classes will be taught in person each week unless the provincial government, McGill University or the course instructors indicate otherwise. Attendance will be taken for every class.

Required Course Materials

Required course text:

Thomas, J.R., Martin, J.R., Etnier, J., & Silverman, S.J. (2023). *Research methods in physical activity*. (8th ed.). Champaign: IL: Human Kinetics.

- Please note that the text is available for purchase from the [McGill Bookstore Web site](#). Digital books will be available immediately after purchase and print materials can be shipped to your address.

Tentative Course Schedule

<u>Date</u>	<u>Content</u>	<u>Reading</u>
Aug 31	Introduction to the course	EDKP-396 course outline
Sept 5	Introduction to research in physical activity Assignment 1 provided	Thomas et al. (2023) Chapter 1
Sept 7	Developing the problem Research term paper information provided Research term paper – Part 1 main focus	Thomas et al. (2023) Chapter 2
Sept 12	Searching the literature	Thomas et al. (2023) Chapter 2

Sept 14	Ethical conduct in research and scholarship	Thomas et al. (2023) Chapter 5
Sept 19	Presenting the problem	Thomas et al. (2023) Chapter 3
Sept 21	Group work	None
Sept 26	Formulating the method Assignment 1 due	Thomas et al. (2023) Chapter 4
Sept 28	Creating the Method: Start with the End in Mind Participants & types of Sampling	Thomas et al. (2023) pp. 102-106
Oct 3	Measuring research variables, Measurement validity, reliability Trustworthiness	Thomas et al. (2023) Chapter 6: pp. 99-101; Chapter 11: pp. 205-210 Chapter 19: pp. 384-387
Oct 5	Group work Research term paper – Part 2 reminder	None
Oct 9-11	No Class– Thanksgiving, Study Break	None
Oct 12	Internal and external validity	Thomas et al. (2023) Chapter 18
Oct 17	Group work Assignment 2 provided	None
Oct 19	Types of experimental designs – Part 2 Research term paper – Part 1 due	Thomas et al. (2023) Chapter 18
Oct 24	Group work	None
Oct 26	Statistics – Part 1 Assignment 2 due	Thomas et al. (2023) Chapter 6: pp. 106-114
Oct 31	Statistics – Part 2 Assignment 3 provided	Thomas et al. (2023) Chapter 7

Nov 2	Qualitative Research	Thomas et al. (2023) Chapter 19
Nov 7	Mixed Methods research	Thomas et al. (2023) Chapter 20
Nov 9	Group work	None
Nov 14	Group work	None
Nov 16	Group work Research term paper – Part 2 due	None
Nov 21	Group work Assignment 3 due	None
Nov 23	Class presentations	None
Nov 28	Class presentations	None
Nov 30	Class presentations	None
Dec 5	Class presentations	None

Caveat: In the event of extraordinary circumstances beyond the University’s control, the content and/or evaluation scheme in this course is subject to change

Evaluation

There will be three forms of evaluation in this course. The assignments, term paper and class presentation will be described in class by Dr. Harvey and associated guidelines will be posted in the MyCourses content tabs. There will be a NO final exam conducted for this course.

Assignments45%

Assignment 1: (10%) – Ethics Online workshop – due date: September 26, 2023

Assignment 2: (10%) – Reflection assignment – due date: October 26, 2023

Assignment 3: (25%) – Evaluating research – due date: November 21, 2023

Term Paper.....**40%**
 Term paper: (20%) – Part 1 – due date: October 19, 2023
 Term paper: (20%) – Part 2 – due date: November 16, 2023

Class Presentation**15%**
 Poster presentations to be presented in class between November 23 – December 5, 2023.

University Grading Scale

<u>Letter Grades</u>	<u>Percentages</u>
A	85-100
A-	80-84
B+	75-79
B	70-74
B-	65-69
C+	60-64
C	55-59
D	50-54
F (fail)	0-49

Policy Regarding Late Assignments:

- No assignments will be accepted late without penalty.
- All late assignments (including peer student teaching reports) will be devalued by 10% per day late to a maximum of 5 days (including weekend days).
 Example: 1 day late = $80/100 - 10\% = 70/100$.
- Assignments will not usually be graded after the 5-day maximum but they can be reviewed for the quality of the content by email request to the course instructor.
- All assignments must be completed to pass this course.

Please note that In the event of extraordinary circumstances beyond the University’s control, the course delivery, course content and/or course evaluation scheme is subject to change.

Furthermore, *as the instructor of this course, I endeavor to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me and/or McGill University’s Student Accessibility & Achievement office (<https://www.mcgill.ca/access-achieve/>) 514-398-6009.*

McGill Policy Statements

Language of Submission

In accord with McGill University’s Charter of Students’ Rights, students in this course have the right to submit in English or in French any written work that is to be graded. This does not apply to courses in which acquiring proficiency in a language is one of the objectives.

Conformément à la Charte des droits de l'étudiant de l'Université McGill, chaque étudiant a le droit de soumettre en français ou en anglais tout travail écrit devant être noté (sauf dans le cas des cours dont l'un des objets est la maîtrise d'une langue).

Academic Integrity

McGill University values academic integrity. Therefore, all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures" (see [McGill's guide to academic honesty](#) for more information). (Approved by Senate on 29 January 2003)

L'université McGill attache une haute importance à l'honnêteté académique. Il incombe par conséquent à tous les étudiants de comprendre ce que l'on entend par tricherie, plagiat et autres infractions académiques, ainsi que les conséquences que peuvent avoir de telles actions, selon le Code de conduite de l'étudiant et des procédures disciplinaires (pour de plus amples renseignements, veuillez consulter le [guide pour l'honnêteté académique de McGill](#)). »

Please note that to support academic integrity, your assignments may be submitted to text-matching or other appropriate software (e.g., formula-, equation-, and graph-matching).

Additional Statements

I ask for everyone's collaboration and cooperation in ensuring that that videos and associated materials are not reproduced or placed in the public domain. This means that each of you can use them for your own personal purposes, but you cannot allow others to use them, by putting them up on the internet or by giving them or selling them to others who will copy them and make them available. Thank you very much for your help with this.

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McGill University is on land which has long served as a site of meeting and exchange amongst Indigenous peoples, including the Haudenosaunee and Anishinabeg nations. We acknowledge and thank the diverse Indigenous people whose footsteps have marked this territory on which peoples of the world now gather.

L'Université McGill est sur un emplacement qui a longtemps servi de lieu de rencontre et d'échange entre les peuples autochtones, y compris les nations Haudenosaunee et Anishinabeg. Nous reconnaissons et remercions les divers peuples autochtones dont les pas ont marqué ce territoire sur lequel les peuples du monde entier se réunissent maintenant.