

General Information

Course #	EDKP-443
Section #	002
Term	Winter
Year	2021
Course schedule (day and time of class)	Sect 002: Monday and Wednesday: 08:35a.m.-09:55p.m. In-Person: Currie 408/9 and/or Online

Number of credits 3 credits

Instructor Information

Name and Title	William Harvey
E-mail	william.harvey@mcgill.ca
Virtual office hours	Monday: 1:00p.m.-2:00p.m.
Communication plan	A Zoom office hour will be provided for general course questions on Monday afternoons (1:00p.m.-2:00p.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.

TA Information

Name & Email	Madison Fraser
Email	madison.fraser@mail.mcgill.ca
Name	Jinan Saboune
Email	jinan.saboune@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 primarily 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. Online classes will be taught through the Zoom meeting function on our myCourses platform.

Expectations for Student Participation

All students are expected to attend each in-person and online class. We will address the following issues in our first class so we can develop our supportive learning environment:

- class attendance
- appropriate behaviors in each class
- the issues of how video, audio and chat will be used in online classes
- checking emails and myCourses on a regular basis for course updates

Instructor Message Regarding Remote Delivery

Monday and Wednesday classes will be taught online for the start of the winter 2022 semester as indicated by the Québec provincial government and McGill University. Classes will be held in-person when the course instructor indicates so.

Each online class will be taught through the Zoom meeting function on our MyCourses platform. All classes will be recorded through Zoom (fixed) and placed on our course platform for each student's viewing. You will be notified through a 'pop-up' box in Zoom if a lecture or portion of a class is being recorded. By remaining in sessions that are recorded, you agree to the recording, and you understand that your image, voice, and name may be disclosed to classmates. You also understand that recordings will be made available in myCourses to students registered in the course.

We have all been experiencing challenges due to the current pandemic and our teaching team will do our best to provide a supportive learning environment to facilitate your academic success and specific needs. Please consult the McGill University's Teaching and Learning Services (TLS) links to assist

you in your online learning needs. Please see <https://www.mcgill.ca/tls/students/remote-learning-resources> for helpful TLS tips on remote learning and student success. Further, please discuss any remote course delivery issues with the course instructor and teaching assistants in order to facilitate their understanding of your learning needs (e.g., Internet bandwidth, etc.).

I strongly encourage you to attend online class regularly in order for you and your classmates to interact together and learn all about research in our shared virtual teaching space.

I will **take attendance for every class** whether it is held online or in-person.

Required Course Materials

Required course text:

Thomas, J.R., Nelson, J.K., & Silverman, S.J. (2015). *Research methods in physical activity*. (7th 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>
Jan 5	Introduction to the course	EDKP-396 course outline
Jan 10	Introduction to research in physical activity Assignment 1 provided	Thomas et al. (2015) Chapter 1
Jan 12	Developing the problem Research term paper information provided	Thomas et al. (2015) Chapter 2
Jan 17	Searching the literature	Thomas et al. (2015) Chapter 2
Jan 19	Ethical conduct in research and scholarship	Thomas et al. (2015) Chapter 5
Jan 24	Presenting the problem	Thomas et al. (2015) Chapter 3
Jan 26	Formulating the method Assignment 1 due	Thomas et al. (2015) Chapter 4
Jan 31	Creating the Method: Start with the End in Mind Participants & types of Sampling	Thomas et al. (2015) pp. 105-109

Feb 2	Group work	None
Feb 7	Measuring research variables	Thomas et al. (2015) pp. 103-104; Chapter 11
Feb 9	Group work	None
Feb 7	Internal and external validity	Thomas et al. (2015) Chapter 18
Feb 14	Group work Research term paper – Part 1 due Assignment 2 provided	None
Feb 16	Types of experimental designs – Part 2	Thomas et al. (2015) Chapter 18
Feb 21	Group work	None
Feb 23	Statistics – Part 1 Assignment 2 due	Thomas et al. (2015) Chapter 6: pp. 109-117
Feb 28	No Classes – Study Break	None
Mar 2	No Classes – Study Break	None
Mar 7	Statistics – Part 2 Assignment 3 provided	Thomas et al. (2015) Chapter 7
Mar 9	Qualitative research – Part 1	Thomas et al. (2015) Chapter 19: pp. 371-375
Mar 14	Qualitative research – Part 2	Thomas et al. (2015) Chapter 19: pp. 375-383
Mar 16	Mixed Methods research	Thomas et al. (2015) Chapter 20
Mar 21	Group work Research term paper – Part 2 due	None

Mar 23	Group work	None
Mar 28	Group work Assignment 3 due	None
Mar 30	Class presentations	None
Apr 4	Class presentations	None
Apr 6	Class presentations	None
Apr 11	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: January 26, 2022

Assignment 2: (10%) – Reflection assignment – due date: February 23, 2022

Assignment 3: (25%) – Evaluating research – due date: March 28, 2022

Term Paper.....40%

Term paper: (20%) – Part 1 – due date: February 14, 2022

Term paper: (20%) – Part 2 – due date: March 21, 2022

Class Presentation15%

Poster presentations to be performed in class between March 28-April 11, 2022.

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 accepted after the 5-day maximum.

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 the [Office for Students with Disabilities](#), 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

Please note that this format for the delivery of this course is unusual. It is explained by our current extraordinary circumstances, and aims to allow you, as students, to complete this term with the requisite knowledge for this course, and to succeed in your assessments. 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.