



**DEPARTMENT OF PHYSICAL EDUCATION AND KINESIOLOGY
COURSE OUTLINE – FALL 2021**

PE2190 (A2): Research Methods in Kinesiology – 3 (3-0-0) 45 Hours, 15 Weeks

INSTRUCTOR: Alexander Villafranca, **PHONE:** 780-539-2971
Ph.D.
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OFFICE HOURS: By appointment

Grande Prairie Regional College respectfully acknowledges that we are located on Treaty 8 territory, the traditional homeland and gathering place for many diverse Indigenous peoples. We are honored to be on the ancestral lands of the Cree, Dene/Beaver and Métis, whose histories, languages, and cultures continue to influence our vibrant community. We are grateful to have the opportunity to work, learn, and live on this land.

CALENDAR DESCRIPTION: This course will provide an introduction to research methods used in the field of Kinesiology. Emphasis will be placed on the application of research techniques commonly used in the discipline.

PREREQUISITE: PE1090

REQUIRED TEXT/RESOURCE MATERIALS:

Kowalski, K. C., McHugh, T.-L. F., Sabiston, C. M., & Ferguson, L. J. (2018). *Research methods in kinesiology*. Oxford University Press.
Other readings and resources will be available on D2L.

DELIVERY MODES: This course will involve lectures, case studies, online activities, tests, and group discussion.

Fall 2021: High-flex Delivery. Students can attend lectures either in person or online via zoom. All labs will be in person, whereas all exams should be written online. All students must have a computer with a webcam and reliable internet connection for classroom activities. In class use of a GPRC laptop can be arranged in advance, if required. Technological support is available through helpdesk@gprc.ab.ca. Note: GPRC reserves the right to change the course delivery.

COURSE OBJECTIVES:

1. Explain various research methods commonly used in the field of kinesiology.
2. Distinguish the difference between various research techniques and apply data collection and analysis methods with consideration to ethical research practices.
3. Describe various research paradigms and evaluate how paradigms inform research.
4. Critique and interpret research and apply findings to real life settings.

LEARNING OUTCOMES:

1. The student will be able to explain various research methods commonly used in the field of kinesiology.
2. The student will demonstrate how to answer research questions with appropriate data collection and analysis, with consideration of ethical research practices.
3. The student will describe various research paradigms and evaluate how paradigms inform research.
4. The student will evaluate research critically and apply research to real life settings.

TRANSFERABILITY:

Please consult the Alberta Transfer Guide for more information

(<http://alis.alberta.ca/ps/tsp/ta/tbi/onlineSearch.html?SearchMode=S&step=2>)

** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions.

Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability

GRADING CRITERIA:

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**. This means **DO NOT GET LESS THAN “C-” IF YOU ARE PLANNING TO TRANSFER TO A UNIVERSITY.**

Alpha Grade	4-point Equivalent	Percentage Guidelines		Alpha Grade	4-point Equivalent	Percentage Guidelines
A+	4.0	90-100		C+	2.3	67-69
A	4.0	85-89		C	2.0	63-66
A-	3.7	80-84		C-	1.7	60-62
B+	3.3	77-79		D+	1.3	55-59
B	3.0	73-76		D	1.0	50-54
B-	2.7	70-72		F	0.0	00-49

EVALUATIONS:

Activity	Due date/ date of occurrence	Weighting on final grade
In class activities	Distributed throughout term	10%
Completion of TCPS 2 tutorial course on research ethics (https://tcps2core.ca/register)	Sept 30th	4%
Completion of fake news tutorial (https://www.getbadnews.com/)	Sept 30th	1%
Critical appraisal of a quantitative article	November 12th	35%
Midterm	October 27th	20%
Final Exam	TBD	30%
Total		100%

STUDENT RESPONSIBILITIES:

- Students are required to come to class prepared
- Regular attendance is critical to succeed in this class. Students should contact the instructor in advance if they are unable to attend. Failure to do this will result in a zero mark for any participation and activity marks for that date.
- Any student who misses more than 10 classes without prior approval will be required to withdraw from the class due to truancy
- If a student misses tests for medical reasons, a doctor's note must be provided
- Late assignments will be deducted 10% per day submitted past the deadline
- Assignment details will be provided on D2L
- We are at the tail end of a pandemic. If you are ill, please self-isolate. Make up activities and remote testing options can be arranged for those with a doctor's note. The high-flex design of the lecture component is meant to safeguard students and provide flexibility

STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/

**Note: all Academic and Administrative policies are available on the same page.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Mondays and Wednesdays, 16:00-17:20

The instructor reserves the right to alter the pace, timing, scope and depth of the topics covered based on the needs of students and the natural flow of class discussion. The general topics that may be covered include critical appraisal of academic papers, research ethics and integrity, basic bibliometrics, philosophical approaches to research, scientific writing, study design, data analysis, visual display of data, and data interpretation. Other topics may be covered based on time and class interest. Associated readings will be either uploaded to, or linked from, D2L.

POLICY ON RECORDING TEACHING ACTIVITIES

Students may not record classroom activities (such as lectures, group activities, group presentations delivered in class, etc.) without the advance written permission of the instructor. This policy is set to protect the privacy and reputation of students, to uphold the copyrights of the instructor and other content creators, and to facilitate free and open discussion of ideas. The classroom is meant to be a psychologically safe environment, where students are free to explore and think through new and controversial ideas without fear of public repercussions. Recording lectures can undermine this goal. If permission to record an activity is granted, the recorded material can only be used for the student's own private use and is not to be posted online or otherwise distributed. Students will be notified in advance by the instructor when someone has been granted permission to record a classroom activity. Students will also be given the option of being excused from actively participating in recorded activities. In the case of student presentations, the recording student must show proof that the presenting student(s) have agreed to be recorded before the instructor will grant permission.

COPYRIGHT NOTIFICATION

Any course material created by your instructor is his intellectual property and is provided to you based upon your registration for this class. As such, the material is for your private use only. It is not to be distributed, publicly exhibited, or sold without the permission of the instructor. Third party materials (such as assigned readings) have either been licensed for use in this course or fall under an exception or limitation in Canadian Copyright law.