

RESEARCH PROJECT APPLICATION  
Kinesiology 4490E

Student's Name: \_\_\_\_\_ Student #: \_\_\_\_\_

UWO Email Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

Name of Supervisor: \_\_\_\_\_

Describe your study proposal which includes your area of research, a description of your study, the course objectives, and research methods.

\_\_\_\_\_

Student Time commitment: \_\_\_\_\_

STATEMENT OF RECOGNITION: (Student)

I have read the detailed course outline and understand and accept the structure & evaluation system.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

APPROVAL

\_\_\_\_\_  
Supervisor Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Director of Kinesiology

\_\_\_\_\_  
Date

INSTRUCTIONS TO STUDENT:

Email the completed form with Supervisor's signature to [wmandigo@uwo.ca](mailto:wmandigo@uwo.ca) by September 10. Once approved by the Director of Kinesiology, you must formally add the course no later than the approved Add deadline date.

You must provide a copy of the final written research report to the Undergraduate Office via email to [wmandigo@uwo.ca](mailto:wmandigo@uwo.ca)

INSTRUCTIONS TO SUPERVISOR:

1. Final marks are to be submitted to the Undergraduate Office one week after the end of classes.
2. No grade can be submitted for incomplete work.

School of Kinesiology  
Faculty of Health Sciences  
Western University

SENIOR RESEARCH PROJECT  
Kinesiology 4490E

**Course Description**

Independent research project in Kinesiology involving presentation of proposal, collection and analysis of data, presentation of results, and final written report as a scholarly paper.

**Course Summary**

1. The goal of this course is to provide a student with the opportunity to conduct a research project under the supervision of a Kinesiology faculty member. Projects may cover a variety of designs and topics including, but not limited to, program design, experimental design, historical reviews, analysis of current sport/physical activity/health topics, health promotion, and empirical research involving human subjects.
2. While the form and format of the project is to be determined by the supervisor and the student, empirical research should include the development of the research question(s), the design of the study, completion of ethics and development of the human participants (where necessary), participant recruitment and data collection, analysis and completion of the final report.
3. KIN 4490E is not an opportunity to gain credit for volunteer work in a research/teaching lab.
4. KIN 4490E project must be supervised by a Kinesiology faculty member. The following Faculty members are eligible to accept students (Note: Faculty members may choose not to accept students in any given year):

Socio-cultural area:

Dr. K. Danylchuk	Dr. M. Heine	Dr. H. Prapavessis
Dr. A. Doherty	Dr. D. Howe	Dr. A. Schneider
Dr. L. Misener	Dr. E. Pila	

Bioscience area:

Dr. B. Allman	Dr. J. Garland	Dr. M. Mottola
Dr. G. Belfry	Dr. M. Heath	Dr. L. Nagamatsu
Dr. T. Burkhardt	Dr. T. Jenkyn	Dr. C. Rice
Dr. A. Christie	Dr. P. Lemon	Dr. K. Shoemaker
Dr. J. Dickey	Dr. J. Melling	Dr. T. Wilson

5. Projects are restricted to Kinesiology students who are in their fourth year of study.

6. Before a student can be registered in KIN 4490E, a contract must be completed and signed by:
  - a. the student,
  - b. the supervising faculty member, and
  - c. the Director of Kinesiology
7. Students cannot receive remuneration for work completed as part of the KIN 4490E experience.
8. In the case where human participants are involved, Western Research Ethics specifies that ethics approval must be obtained prior to any data collection, as outlined in the University Policy statement at <http://www.rcr.ethics.gc.ca/eng/policy-politique/framework-cadre/>.

### **Course Procedures**

1. Students must contact an appropriate Kinesiology faculty member to discuss their proposal, faculty expectations, completion date, and evaluation. Preference will be given to students with an academic average 80% and above.
2. Once a verbal arrangement has been made, a KIN 4490E contract should then be signed by the supervising faculty member and the student, and submitted to Wendy Hacon in the Undergraduate program office. (Faculty members are encouraged NOT to participate in KIN 4490E projects until the contract has been signed).
3. Once the Contract has been signed by the student, the supervising faculty member, and the Course Manager, the student will be registered by the Undergraduate office into Kin 4490E.
4. Students are advised to meet regularly with their supervisor during the term.
5. A minimum of 10 hr per week will be devoted to the research project throughout the academic year
6. Final grades should be submitted by the supervising faculty member to Course manager by no later than April 24th.

### **Learning Outcomes**

This research project is intended to provide students with a research experience in Kinesiology. Following completion of this course, students will be able to:

1. Develop independent and/or collaborative research skills in a specific area of Kinesiology where the project includes literature review; experimental design; collection, analysis and interpretation of collected data; and oral and written

communication of scientific information in the form of seminar presentations and research reports, respectively.

2. Critically review and synthesize scholarly literature in the area to identify knowledge gaps for further exploration.
3. Perform the experimental procedures and operate the scientific equipment relevant to the research project.
4. Understand and explain, in more detail, the specific theoretical positioning relevant to the research area.
5. Determine an appropriate approach for examining the research question identified in conjunction with supervisor.
6. Organize and communicate research findings via oral presentations and written report.

### **Course Format**

Students (and faculty) will meet occasionally during the year for both formal (e.g., preliminary research proposal; final presentation of project) and informal presentations and information sessions. Dates and times will be arranged as needed.

### **Course Evaluation**

Students will be evaluated by their supervisor with respect to their performance in the research project/laboratory. This will include not only technical skills, but also their familiarity with the literature, and their contribution to the experimental design, analysis, and interpretation of the data. This evaluation will be done at the end of each of the fall and winter terms. An abstract and a final research paper will be evaluated by the immediate faculty supervisor and one other faculty member. Feedback will be given to students as soon as possible after presentations. Student participation in the discussion sessions, and in the question period after each student presentation is expected and required. All faculty will participate in the evaluation of student presentations. The presentations will be done with all students and faculty in attendance (dates and times will be arranged after consultation with students and faculty).

Details of the (suggested) evaluation are outlined below (subject to change each year):

<u>Activity</u>	<u>Weight</u>	<u>Evaluator(s)</u>
Research/Lab performance (1 <sup>st</sup> term)	15%	Supervisor
Research proposal presentation (1 <sup>st</sup> term; TBD)	5%	Course Manager
Research/Lab performance (2 <sup>nd</sup> term)	15%	Supervisor
Final presentation (2 <sup>nd</sup> term; March TBD)	15%	All faculty
Final research paper (due April TBD)	50%	Supervisor + other faculty

Notes:

1. A similar project cannot be completed as part of an independent study
2. **A copy of the final report must be submitted to the Undergraduate office – send by email to [wmandigo@uwo.ca](mailto:wmandigo@uwo.ca)**

### **General course information**

1. Final presentation length - 10-15 min with 5-10 min for questions
2. Student presentations - may take place over two or more days depending on the number of students enrolled
3. Research Presentation dates and times - TBD - dependent on availability of students and faculty supervisors - but usually completed in early- to mid-November in the 1<sup>st</sup> term, and before the final day of classes in the 2<sup>nd</sup> term (usually in mid- to late-March or early April)
4. Final research report - TBD but approximately 1 week after 2<sup>nd</sup> term presentations (on or before final day of classes in April)

### **Final Research Paper**

The final research report should be submitted to the Kin 4490E Course Manager at the end of the 2<sup>nd</sup> term (date TBD but usually 1-2 weeks after the 2<sup>nd</sup> term presentation and on or before the final day of classes). The final research paper will be marked by the faculty supervisor. Students will submit one copy of the final research report to the Kinesiology undergraduate office. Students will be informed as to whether to submit a paper copy or an e-copy of the final research report to the Course Manager.

The final research paper should be written in “manuscript style” and include the following sections as if you were submitting your research for scholarly publication to a journal commonly used by your supervisor in the related field. (i.e. Abstract, Introduction, Methods, Results, Discussion, References).

Also, either at the beginning or the end of the paper, it is important that you provide a paragraph which defines/describes/details your role in this project, and the role of the other co-authors that you may include on your paper. In other words, what exactly you did do for this project and how did the other authors support your work in this thesis.

The final research paper should be formatted as follows:

1. Length 10 - 25 pages (this limit does not include title page, figures, tables, and references)
2. Typed, double-spaced

3. Margins (top, bottom, sides) should be 2.54 cm (1")
4. Arial or Times New Roman font, with 12 point font size
5. Tables and figures can be appended at the end of the Results section or at the end of the manuscript - do not embed them into the body of the Results section
6. References may conform to either APA or Chicago Style as per the convention of the journal of target submission.

### **Course/University Policies**

#### **1. Statement on Use of Personal Response Systems ("Clickers")**

If Personal Response Systems ("Clickers") are used in the course, a reference to the Guidelines for their use (Guidelines are shown below). Instructors are to communicate clearly to students information on how clickers are used including: how the student's privacy will be protected, how clickers may be used by the instructor for data gathering and for evaluating the students, and why they cannot be used by anyone but the student (since the students involved in misuse of a clicker may be charged with a scholastic offence).

#### **2. Academic offences**

They are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:

[https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/scholastic\\_discipline\\_undergrad.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf)

A) Students must write their essays and assignments in their own words. Whenever students take an idea, or a passage from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major academic offence (see Scholastic Offence Policy in the Western Academic Calendar). All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for the detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between Western University and Turnitin.com

<http://www.turnitin.com>

B) Computer marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

#### **3. Electronic Device Usage**

**During Exams** - Unless you have medical accommodations that require you to do so, or explicit permission from the instructor of the course, you may not use any of the following electronic devices during ANY of the tests, quizzes, midterms, examinations, or other in-class evaluations:

cellphones, smart phones, smart watches, smart glasses, audio players or recorders of any sort, video cameras, video games, DVD players, televisions, laptop/notebook/netbook computers, flashlights or laser pointers.

**During Lectures and Tutorials:** Although you are welcome to use a computer during lecture and tutorial periods, you are expected to use the computer for scholastic purposes only, and refrain from engaging in any activities that may distract other students from learning. Please be respectful to your fellow students and turn the sound off. If the professor receives complaints from other students regarding noise or other disruptive behavior (e.g. watching videos on YouTube.com, updating your Facebook status, playing Solitaire), your classroom privileges will be revoked. From time to time, your professor may ask the class to turn off all computers, to facilitate learning or discussion of the material presented in a particular class. **Unless explicitly noted otherwise, you may not make audio or video recordings of lectures – nor may you edit, re-use, distribute, or re-broadcast any of the material posted to the course website.**

#### 4. Health and Wellness

Information regarding health and wellness-related services available to students may be found at <http://www.health.uwo.ca/>.

Students who are in emotional/mental distress should refer to Western Psychological Services (<http://www.health/psych.index.html>) for a complete list of options about how to obtain help. To help you learn more about mental health, Western has developed an interactive mental health learning module, found here: <https://www.uwo.ca/health/wec/education/learning.html>

#### 5. Support Services

There are various support services around campus and these include, but are not limited to:

1. *Student Accessibility Services* -- <http://www.sdc.uwo.ca/ssd/>
2. *Student Health & Wellness* -- <http://www.health.uwo.ca/>
3. *Registrar's Office* -- <http://www.registrar.uwo.ca/>
4. *Ombudsperson Office* -- <http://www.uwo.ca/ombuds/>

#### 6. Academic Consideration (Illness, Medical/Non-Medical Absences)

[http://www.westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#Page\\_12](http://www.westerncalendar.uwo.ca/PolicyPages.cfm?Command=showCategory&PolicyCategoryID=1&SelectedCalendar=Live&ArchiveID=#Page_12)

Students who experience an extenuating circumstance (illness, injury, or other extenuating circumstance) sufficiently significant to temporarily render them unable to meet academic requirements may submit a request for academic consideration through the following routes:

- (i) Submitting a Self-Reported Absence (see below for conditions)
- (ii) For medical absences exceeding 48 hours, submitting a Student Medical Certificate (SMC) signed by a licensed medical or mental health practitioner to their Academic Counselling in their Faculty of registration in order to be eligible for Academic Consideration; or
- (iii) For non-medical absences exceeding 48 hours, submitting appropriate documentation (e.g., obituary, police report, accident report, court order, etc.) to Academic Counselling in their



Faculty of registration in order to be eligible for academic consideration. Students are encouraged to contact their Academic Counselling unit to clarify what documentation is appropriate.

Students seeking academic consideration **must communicate with their instructors no later than 24 hours** after the end of the period covered by either the self-reported absence or SMC, or immediately upon their return following a documented absence.

**The following conditions are in place for self-reporting of medical or extenuating circumstances:**

- a. a maximum of two self-reported absences between September and April and one self-reported absence between May and August;
- b. any absences in excess of the number designated in clause a above will require students to present a Student Medical Certificate (SMC) or appropriate documentation supporting extenuating circumstances to the Academic Counselling unit in their Faculty of registration no later than two business days after the date specified for resuming responsibilities.
- c. The duration of the excused absence will be for a maximum of 48 hours from the time the Self-Reported Absence form is completed through the online portal, or from 8:30 am the following morning if the form is submitted after 4:30 pm;
- d. The duration of the excused absence will terminate prior to the end of the 48 hour period should the student undertake significant academic responsibilities (write a test, submit a paper) during that time;
- e. The duration of an excused absence will terminate at 8:30 am on the day following the last day of classes each semester regardless of how many days of absence have elapsed;
- f. Self-reported absences will not be allowed for scheduled final examinations; for midterm examinations scheduled during the December examination period; or for final lab examinations scheduled during the final week of term;
- g. Self-reporting may not be used for assessments (e.g. midterm exams, tests, reports, presentations, or essays) worth more than 30% of any given course;

For medical and non-medical absences that are not eligible for self-reporting Kinesiology students must submit an Academic Consideration Request form found online [https://www.uwo.ca/fhs/kin/undergrad/files/accommodation\\_request.pdf](https://www.uwo.ca/fhs/kin/undergrad/files/accommodation_request.pdf) in addition to an SMC or appropriate documentation in the event of a non-medical absence. These documents will be retained in the student's file, and will be held in confidence in accordance with the University's Official Student Record Information Privacy Policy.

## 7. Grades

Where possible assignment objectives and rubrics will be posted on OWL. Should you have a concern regarding the grade you received for an assignment or feel that it is unfair in any way, you must wait 24 hours from the receipt of the assignment to approach the instructor or TA. In doing so, please make an appointment and prepare in writing, with evidence, why you feel your grade is inappropriate. Please be aware that in requesting a grade reassessment, your grade could go up/down/or stay the same. Note that calculations errors (which do occur!) should be

brought to my attention immediately.

Generally, students can expect some form of feedback on their performance in a course before the drop date.

- November 9th, 2020 (for first term half-courses)
- November 27th, 2020 (for full-year courses)
- March 4th, 2021 (for second term half-or full year courses)

A+	90-100	<i>One could scarcely expect better from a student at this level</i>
A	80-89	<i>Superior work that is clearly above average</i>
B	70-79	<i>Good work, meeting all requirements and eminently satisfactory</i>
C	60-69	<i>Competent work, meeting requirements</i>
D	50-59	<i>Fair work, minimally acceptable</i>
F	below 50	<i>Fail</i>

**Rounding of Grades** (for example, bumping a 79 to 80%):

This is a practice some students request. **This practice will not occur here.** The edges of this course are clear and sharp. The mark attained is the mark you achieved and the mark assigned; there is no rounding to the next grade level, or ‘giving away’ of marks. Please don’t ask me to do this for you; the response will be “please review the course outline where this is presented”.

## 8. Classroom Behaviour

Class will begin promptly at the time specified at the top of page one of this syllabus. In the event that you must arrive late, please enter the classroom with a minimal disturbance to the class. Please keep all electronic devices on silent and avoid distracting classmates.

## 9. Student Code of Conduct

The purpose of the Code of Student Conduct is to define the general standard of conduct expected of students registered at Western University, provide examples of behaviour that constitutes a breach of this standard of conduct, provide examples of sanctions that may be imposed and set out the disciplinary procedures that the University will follow. For more information, visit <https://www.uwo.ca/univsec/pdf/board/code.pdf>