



KIN 492 (6) Undergraduate Research Experience in Kinesiology

Course Description

Provides opportunities to perform research, pertaining to a chosen area of kinesiology, under the supervision of a KIN Faculty member.

Course Overview

This course provides students with an opportunity for independent study that includes original data collection, under the direction of a KIN faculty member. Students will be involved with the design and execution of an experimental/analytical research project. The work will consist of a definable project requiring literature research, laboratory or field research, and a written thesis. The work plan is arranged and agreed to by the student and the faculty member and should be set out in writing with a copy going to the Associate Director, Undergraduate. A project proposal is due four weeks after the start of the term, and a brief progress report (1-2 pages) is expected from the student when approximately half of the experimental work has been conducted. KIN 492 provides an opportunity for students to develop and strengthen their research skills and to accommodate special research interests that cannot be met through other KIN courses.

Prerequisites

This course is open to all students with third- or fourth-year standing.

Registration Process

Students interested in KIN 492 should contact KIN Undergraduate Advising and the faculty member(s) with whom they are interested in conducting a project well in advance of the beginning of the academic term. For example, students should approach potential supervisors in summer regarding research projects to start in September. Opportunities for conducting projects are limited. Once students have secured a faculty supervisor, the two should complete a Research Experience application form (see pages 3 & 4). Completed forms should be submitted by email (kin.advising@ubc.ca) or in-person to the KIN Undergraduate Advising Office (Room 202, War Memorial Gym) before the second week of the term (failure to meet this deadline will mean that students cannot register for KIN 492 until the following term). The application must specify all requirements for the course (project topic, reading list, work to be performed, assessment overview). An Undergraduate Advisor will register the student in the course once the Associate Director, Undergraduate has approved the application.

Students that enroll in the 3-credit KIN 490 Directed Studies course can apply to transfer into the 6-credit KIN 492 course, with permission of both the Faculty Supervisor and Associate Director, Undergraduate. Students must complete the KIN 492 application and submit it to the KIN Undergraduate Advising Office no later than six weeks from the start of the term. Applications for transfer will not be accepted after the deadline. Once accepted into KIN 492, students must complete the course requirements and cannot transfer back into KIN 490.

Student Expectations

This course is worth six (6) credits. Students will be expected to spend approximately 120 hours of work per term, or approximately 240 hours to this course. This includes time spent on literature search, design of experiments, experimental work, and the write-up. Regular meetings between the supervisor and the student should be held in order to monitor and discuss progress and time spent by the student on the project. The meeting time should form a regular entry on the timetables of both the student and the supervisor.

Faculty Expectations

Faculty supervisors should work with the student to select an appropriate research project for the research experience. Supervisors should provide guidance on the experimental design, data analysis, and presentation of results. If the project is to be conducted totally, or in part, at a location other than UBC, the supervising faculty member will make appropriate arrangements for regular monitoring of progress and time. This may entail appointment of an onsite co-

supervisor. The project must not be associated with a part-time, paid research position held by the student. Supervisors should provide feedback to the student in a timely manner.

Credit Limits

The KIN 492 Undergraduate Research Experience is worth 6 credits (and will count towards fulfilling the upper-level KIN-elective requirements for BKIN students). Student may complete only one Undergraduate Research Experience. Students enrolled in KIN 492 may also register for a maximum of 3 credits of KIN 490 Directed Studies. Students may work with the same faculty supervisor for both KIN 490 and KIN 492. However, students may not use the same information for both courses. For example, the literature review completed as part of the directed study cannot become part of the 6-credit research course. The KIN 492 project should be independent from the work done in KIN 490.

Course Evaluation

The grading for KIN 492 will be based on an assessment of the research work (30%), the quality of the written thesis (60%), and an oral presentation (10%). A suggested breakdown of each component is listed below. This specific marking criteria may be modified by the supervisor and should be distributed to the student at the beginning of the project.

Research Work (30%)

Evaluation Component	Percent of Grade
Initiative	20%
Technique	20%
Comprehension	20%
Organization, work habits, attention to safety/proper protocols	20%
Dedication and Perseverance	20%

Written Thesis (60%)

Evaluation Component	Percent of Grade
Abstract	5%
Introduction	5%
Literature Review	15%
Materials and Methods	15%
Results	10%
Discussion	20%
Conclusions	5%
References	5%
Clarity, Grammar	20%

Oral Presentation (10%)

Evaluation Component	Percent of Grade
Delivery	15%
Content	30%
Structure	30%
Use of Visual Aids	10%
Response to Questions	15%



KIN 492 Undergraduate Research Experience Application

STUDENT NAME: _____ DATE: _____

STUDENT NUMBER: _____ EMAIL: _____

KIN Student (select stream):	Non-KIN Student (indicate faculty):	Area of Specialization (topic considered):	Term (project to be completed by term's end):
<input type="checkbox"/> KINH	<input type="checkbox"/> Non-KIN	<input type="checkbox"/> Neuromechanics	<input type="checkbox"/> Winter Term 1
<input type="checkbox"/> IDKN	_____	<input type="checkbox"/> Leadership Education	<input type="checkbox"/> Winter Term 2
<input type="checkbox"/> PEDH		<input type="checkbox"/> Psychology of Sport	<input type="checkbox"/> Summer Term 1/2
		<input type="checkbox"/> Sociocultural Studies	
		<input type="checkbox"/> Systems Biology	

Supervisor: _____ Signature: _____

Research location: _____

Co-supervision required: Yes No

Co-supervisor: _____

Co-supervisor

Email: _____ Signature: _____

Project Title: _____

Human Participants: Yes No Ethics Approval Number: _____

Please provide a summary of the proposed project.

Describe the research activities that the student will be involved in.

Complete the following table to set deadlines for the year. Sample dates for deadlines are indicated in the middle column.

Task	Sample Dates	Deadline
Submission of project title and name of supervisor to undergraduate advisor	(September 15)	
Project proposal	(October 1)	
Progress report	(January 15)	
Experimental work completed	(February 15)	
Submission of thesis draft to supervisor	(March 15)	
Oral presentation of thesis work	(April 1)	
Submission of final thesis copy to supervisor	(April 7)	

How will each component be graded? A breakdown of the marks should be included below:

Approval:

Associate Director:
 (submit to KIN
 Advising Office)

PRINT NAME

SIGNATURE

DATE