



## **KIN 492 - UNDERGRADUATE RESEARCH EXPERIENCE IN KINESIOLOGY**

### **COURSE OVERVIEW**

KIN 492 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 AND CREDIT LIMITS**

All students with third or fourth-year standing are eligible to apply. KIN 492 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.

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. Once accepted into KIN 492, students must complete the course requirements and cannot transfer back into KIN 490.

### **STUDENT EXPECTATIONS**

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.

### **MARKING PROCESS**

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%)

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

Written Thesis (60%)

| <b>Evaluation Component</b> | <b>Percent of Grade</b> |
|-----------------------------|-------------------------|
| 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%)

| <b>Evaluation Component</b> | <b>Percent of Grade</b> |
|-----------------------------|-------------------------|
| Delivery                    | 15%                     |
| Content                     | 30%                     |
| Structure                   | 30%                     |
| Use of Visual Aids          | 10%                     |
| Response to Questions       | 15%                     |



## PROPOSAL FOR INDEPENDENT STUDY

Students should complete the following fields prior to reaching out to a supervisor with whom they would like to work. The final proposal should incorporate consultation with your supervisor before submitting your application.

### Student information:

|                |               |
|----------------|---------------|
| <hr/>          |               |
| Surname        | Given Name    |
| <hr/>          |               |
| Student Number | Email Address |

### Program of study:

- BKIN - NPSC
- BKIN - MDSC
- BKIN - SBSC
- Other: \_\_\_\_\_

### Topics covered as part of this Directed Study:

- Neuromechanics
- Sociocultural Studies
- Psychology of Sport
- Leadership Education
- Systems Biology

### Term of study:

- Winter Term 1
- Winter Term 2
- Summer Term 1-2

### Supervisor:

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Supervisor Name

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Research Location

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Supervisor Signature

### Co-supervision required: Yes No

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Co-supervisor Name

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Co-supervisor Email

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Co-supervisor Signature

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:

**FACULTY APPROVAL**

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.

\_\_\_\_\_  
Full Name

\_\_\_\_\_  
Date (yyyy/mm/dd)

\_\_\_\_\_  
Signature

Completed applications should be submitted to the Kinesiology Undergraduate Advising Office: [kin.advising@ubc.ca](mailto:kin.advising@ubc.ca)