This course is an introduction to the procedures utilized to design and conduct research in the discipline of Kinesiology. Topics covered include research design, ethics in research, information retrieval, data collection methods, subject selection, sources of error, types of research, and presenting results. In addition, students will gain "hands-on" experience using computers as a tool to assist in research.

**Prerequisites:** N/A

**Degree Credit Exclusions:** PSYC 2030 3.0

**Course Director:** Merv Mosher  
359 Stong College  
[416] 736-2100 ext. 66922  
mmosher@yorku.ca  
moodle.yorku.ca  
www.yorku.ca/mmosher

**Office Hours:** By appointment

**Laboratory Instructors:** (to be announced)

**Lectures:**  
Section A - M,W, 9:30, ACE 102  
Section B - M,W, 10:30, ACE 102

**Laboratories:** CB 125A [Section A] or CB 162 [Section B].  
See the York University Lecture Schedule for a listing of lab times.

Students with access to a computer with the following software, (Web Browser, Excel and PowerPoint), will be able to complete the lab assignments at home.

*Labs commence the week of September 12, 2011.

**Computer Accounts:** All students require a Moodle account and a “FAS – File Access Service” account.
Course texts:

(Sold in the Bookstore)

Course Evaluation:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Lab Assignments</td>
<td>10%</td>
<td>Weekly assignments based on labs.</td>
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<tr>
<td>(Optional)</td>
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<tr>
<td>Mid-term exam 1</td>
<td>20%</td>
<td>Scheduled Oct. 31, during lecture time.</td>
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<tr>
<td>(Optional)</td>
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<tr>
<td>Mid-term exam 2</td>
<td>20%</td>
<td>Scheduled Nov. 28, during lecture time.</td>
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<tr>
<td>(Optional)</td>
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<tr>
<td>Final exam</td>
<td>50%-100%</td>
<td>During December exam period.</td>
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<tr>
<td>(Required)</td>
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</table>

The percentage allocated for any course work not attempted/completed will be added to the final exam.

* All exams cover material from the lectures, readings and labs. *

In the event a mid-term exam is missed the percentage allocated to the exam will be added to the final. There are no make-up exams in the course.

N.B. An appeal against a grade assigned to an item of course work must be made in writing to the course director within 7 days of the graded work being made available to the class. The result of an appeal may cause the grade to increase, decrease or remain the same.

Although numerical marks are assigned to each piece of work in this course there should be no assumption that a total number of marks translates directly to a lettergrade. Lettergrades will be determined by the descriptions in the York University Undergraduate Calendar.

Drop Date:

The last day to drop a Fall term course without receiving a grade is: Nov. 11, 2011.
Lecture Capture:
Lectures will be digitally recorded and posted online. Please note the York University policy regarding this technology.

The York University Student Code of Conduct specifically prohibits theft of intellectual property, which includes recording a course director's lecture without his/her permission or taking lecture material provided on line, modifying it, and/or using it for your own personal use or gain. The material provided is only to be used for your personal study when you take the course for which it was created. Use in any other way will result, at the minimum, in sanctions in accordance with the York Code and, at the maximum, will be breaking federal, provincial or municipal laws and will be acted on accordingly.

Learning Expectations:

After completion of KINE 2049 3.0 [Research Methods in Kinesiology], students will be able to:

a) describe the “scientific method/process”.
b) compare and contrast a variety of research designs appropriate for the field of Kinesiology and Health Science.
c) evaluate a research study conducted in the area of Kinesiology and Health Science.
d) analyze a research article in an academic journal.
e) apply Excel formulas and functions to solve research questions.
f) critically reflect upon health science literature in popular media.
g) define terminology commonly utilized in research.
h) plan and implement effective Internet search strategies.
i) design and create a poster presentation on an academic topic related to Kinesiology and Health Science.