



## HK 396 Quantitative Research Methods – Course Syllabus

Department of Human Kinetics  
Saint Francis Xavier University



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 Office: Rm 211, ESC Office hours: Tues. 8-9 am; Thurs. 8-9 am; Fri. 8-10 am  
 Course Time: B Block [Mon –9:15 Wed – 8:15 Thurs – 10:15]: MULH4032  
 Web page: [sashomackenzie.com/hk396.html](http://sashomackenzie.com/hk396.html)  
 Text: Thomas, J., et al. (2015). Research Methods in Physical Activity 7<sup>th</sup> Ed.

### Course Objectives

- Learn to critique a published scientific quantitative research study
- Understand the steps taken to conduct a quantitative research study
- Learn to use Excel and SPSS to analyze data
- Successfully conduct a hypothetical quantitative research study

| Evaluation Criteria        | Value           | Date Due                         |
|----------------------------|-----------------|----------------------------------|
| Article Summary            | 100 pts         | Wednesday, September 22          |
| In Class Quizzes           | 250 pts         | See Moodle for Dates             |
| Article Critique           | 100 pts         | Thursday, November 25            |
| Statistics Assignments     | 200 pts         | Due periodically throughout term |
| Hypothetical Study (Group) |                 |                                  |
| Outline of Lit Review      | 20 pts          | Wednesday, October 13            |
| Lit Review                 | 100 pts         | Wednesday, October 27            |
| Methods / Data Collection  | 30 pts          | Monday, November 22              |
| Final Completed Study      | 200 pts         | Thursday, December 2             |
| Peer Evaluation            | ??              | See Peer Evaluation Section      |
| <b>Total</b>               | <b>1000 pts</b> |                                  |

### Article Summary, Article Critique, and Hypothetical Study

Refer to the instructions in the relevant folders online [sashomackenzie.com/hk396.html](http://sashomackenzie.com/hk396.html)

### In Class Quizzes

There will be 10 short Moodle Quizzes taken at the end of class. It is expected that quizzes can be completed in 5 minutes, but will remain open for 12 minutes to permit flexibility. Quizzes should be completed in class on your laptop using Respondus LockDown Browser without access to any resource (e.g., book, notes, web sites, and other people).

## **Stats Assignments**

There will be 8 stats assignments throughout the course. Stats assignments will be handed in electronically to [hk396fall2021@gmail.com](mailto:hk396fall2021@gmail.com). Assignments will range in value from 1 to 4%. If the assignments are not received before the specified time, then they will be sent to a junk folder and will not be marked. Therefore, you will receive a zero for a late stats assignment. It is very easy to track electronic information; hence, the following points. If there is an email glitch, the onus will be on the student to show proof that an email with the attached stats assignment was sent before the deadline. There is a real temptation to “cheat” with electronic submissions. Therefore, I use a software program which automatically reveals the entire history of an electronic file once it is opened. I will know the usernames and computer names that have accessed the file. The file should have originated on my computer and should have been edited on your computer. Any files which have been accessed with multiple usernames and computers will be flagged. Therefore, do NOT share your electronic stats assignments with other students.