SOC202H1S (Summer Session - July/August 2012)
Quantitative Analysis in Social Science Research

Professor Scott Schieman
Tuesday & Thursday, 3:10-5:00; MP103 **Office: 725 Spadina, #348**
Office Hours: By Appointment **Phone: 416.946.5905**
E-mail: scott.schieman@utoronto.ca
TAs: Shirin Montazer and Marisa Young (Emails:shirin.montazer@utoronto.ca; marisa.c.young@gmail.com) [TA Office Hours TBA]

NOTE: The prerequisites to take this course is SOC101Y1 (or SOC102H1+SOC103H1) and SOC200H1. Students without these prerequisites will be removed at any time they are discovered and without notice.

Course Objectives

This course will introduce students to the basic language and methods of quantitative analyses in sociology. My approach involves extensive use of examples from real research to illustrate the ideas, techniques, and interpretations of quantitative methods. Topics include univariate and descriptive techniques and bivariate techniques—including Chi-square, ANOVA, and regression.

Required Reading

The Statistical Imagination: Elementary Statistics for the Social Sciences, 2nd edition by Ferris Ritchey. (McGraw-Hill Publishers). It is essential that students read the assigned readings before each class period. My lectures and our discussions will be based on those readings. Therefore, they represent the fundamental core of the course. I may not cover every aspect of each reading during class periods. However, all of the readings may appear in the tests and research paper.

Course Details

Marks: There are 3 tests: Test 1 and 2 are each worth 40% of your final mark; Test 3 is worth 20% of your final mark. The format is multiple choice, problem solving, short-answer, and long-answer. **Note**: Tests are highly time intensive and will require the entire allotted time period.

***Attendance*:** Full and complete attendance is required for learning the material in this course. The class meets 12 times. Each class is an hour and fifty minutes. By remaining in the course, you are signaling your commitment to attend class (on time) and satisfy all requirements. I realize that many students work or have other obligations. However, if you have a scheduling conflict, I encourage you to consider other course options to avoid such conflicts. Excessive lateness and other problematic in-class behaviours will not be tolerated and will result in mark penalties or other punitive action at the discretion of the instructor. Note: If you work, you must make the necessary scheduling arrangements to meet course requirements (including meetings with TAs during their scheduled office hours to review course materials and tests).

Policy Regarding Missed Tests: The privilege of taking a make-up test will only be granted in cases where there is legitimate, university-approved evidence of very serious illness or family emergency. Students will be required to provide official documentation. You must contact me about missing the test—in writing—within 48 hours of the test period. I will be strict about the allowance of make-up tests to insure that the exam process is fair for all students.

Grading: **http://www.artsandscience.utoronto.ca/ofr/calendar/rules.htm#term**

Organization of Course and Reading Schedule*

DATE TOPIC	READINGS

* **Please note**: This is a *tentative* schedule. Unforeseen circumstances sometimes require flexibility in scheduling. If that occurs, I will notify students and provide a revised schedule.

July 3: Introduction	
July 5: Statistical Analysis; Charts/Graphs	Chapters 1, 2, & 3
July 10: Measuring Averages; Dispersion or Spread	Chapters 4 & 5
July 12: Probability Theory; Normal Probability Distribution	Chapters 6 & 7
July 17: **Test 1**: Includes all materials up to this date.	
July 19: Confidence Intervals; Hypothesis Testing I	Chapters 8 & 9
July 24: Hypothesis Testing II; Bivariate Relationships	Chapters 10 & 11
July 26: ANOVA	Chapter 12
July 31: Chi-Square	Chapter 13
August 2: **Test 2**: Includes all post-Test 1 materials.	
August 7: Correlation and Regression	Chapters 14 & 15
August 9: **Test 3**: Includes all post-Test 2 materials.	