

## SOC202H1S – Quantitative Analysis in Social Science Research (Section L5101)

2013 (Winter)

Tuesday, 6:00 – 8:00 pm (MP202)

Office Hours: By appointment only\*

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**TAs: Lance Stewart and Junmin (James) Jeong**

Dr. Shirin Montazer

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### Course Objectives

This course will introduce students to the basic language and methods of quantitative analyses in the social sciences. The teaching approach involves extensive use of examples in order to illustrate the central ideas, techniques, and interpretations of quantitative methods. Topics range from basic univariate and descriptive techniques to more sophisticated bivariate and multivariate techniques—including Chi-square, Z test, Student t-test and F-test (ANOVA), Correlation and Regression analysis. The course will also discuss ways of presenting quantitative information, and how to analyze raw data. By the end of this course, it is expected that participants will be able to acquire general knowledge and information in quantitative social science research - from descriptive statistics to hypothesis testing using various strategies for the analysis of bivariate relationships.

Statistics is a cumulative subject. If you fall a few weeks behind it is very difficult to catch up. Students who want to do well in this course are encouraged to complete the assigned homework and to come to class with questions and READY TO WORK. Please bring the required text book, pencil and a non-scientific calculator to every class!

I will also post formula sheets and other helpful handouts on Blackboard before some of our lectures. Please check Blackboard regularly and print any formula sheets and/or tables that I post and bring it to class.

**\*Please note:** The TAs for this class should be your first point of contact. They will each hold regular office hours every week and should be contacted through e-mail with any questions at other times.

**Prerequisite:** SOC101Y1 or SOC102H1 + SOC103H1, SOC200H1. Students without these prerequisites will be removed at any time they are discovered, without notice.

**Exclusion:** SOC200Y1, SOC300Y1, ECO220Y1, GGR270H1, PSY201H1, STA220H1, STA248H1, POL242Y1

### Course reading:

Levin & Fox, Elementary Statistics in Social Research: The Essentials 3rd Ed.

### Course Details

**Marks:** There will be 3 tests:

- Test 1 is worth 37.5% of your final mark;
- Test 2 is worth 37.5% of your final mark;
- Test 3 is worth 25% of your final mark.

Tests cover all materials from the readings and in-class lectures. Test 1 covers material prior to the test date; Test 2 covers material post-Test 1; Test 3 covers material post-Test 2.

**Attendance:** Full and complete attendance is critical for learning the material in this course. The class meets 11 times; each class is an hour and fifty minutes (with a short break halfway through). By remaining in the course, you are signaling your commitment to attend class (**on time**), satisfy all requirements, and to be respectful of the instructor and other students (this includes respecting the fact that others are here to learn, and consequently restraining from talking during lecture).

**Policy Regarding Missed Tests:** The privilege of taking make-up tests will only be granted in cases where there is legitimate, university-approved evidence of very serious illness or very serious family emergency. Students will be required to provide complete and official documentation. You must contact me about missing the test—in writing—within 24 hours of the test period. I will be strict about make-up tests to ensure that the process is fair for all students. There will be ***ONE, cumulative, make up test*** on April 9, 2013 (Time and location to be determined) for those who have a legitimate reason for missing any of the three tests.

According to the University of Toronto Guidelines:

- A student who misses a term test cannot subsequently petition for late withdrawal from the course without academic penalty on the grounds that he or she has had no term work returned before the drop date.
- A student whose explanation [for missing a test] is accepted by the department will be entitled to one of the following considerations:
  - In courses where there is no other term work as part of the evaluation scheme, a makeup test must be given.
  - In other courses, the department/program may either give a makeup test OR increase the weighting of other graded work by the amount of the missed test. In no case may the weighting of the final examination in a 100-level course be increased beyond 2/3 of the total course mark.
- If the student is granted permission to take a makeup test and misses it, then he or she is assigned a mark of zero for the test unless the department/program is satisfied that missing the makeup test was unavoidable. No student is automatically entitled to a second makeup test. This means that if a department is persuaded of the student's grounds for missing the makeup test, it may decide to compensate for the missed test in whatever way it chooses, which could be by giving another makeup test; the student cannot demand another makeup test.

**Grading:** See U of T guidelines:

<http://www.artsandscience.utoronto.ca/ofr/calendar/rules.htm#term>

**E-mail etiquette:** All email correspondence with the instructor or TA must contain your full name and student ID. Students should be sure that the tone and content of their email messages are respectful. Further, if the answer to the e-mail can be found on the syllabus, lecture notes, required readings, or online the e-mails will not be answered. Please note, it is very hard to answer calculation questions over e-mail and thus such e-mails will not be answered. Please come to my or the TA's office hours for such questions.

**Blackboard Policy:** All use of the Blackboard, especially "Discussion Board" content, must relate specifically to the substantive content of course material. This should not be used as a forum for evaluations about the course or other content that is unrelated to in-class lecture or readings. All student posts must be respectful in tone and content. Violations of this policy will result in restricted access and other penalties at the instructor's discretion.

**Accessibility Needs:** The University of Toronto is committed to accessibility. If you require accommodations or have any accessibility concerns, please visit <http://studentlife.utoronto.ca/accessibility> as soon as possible.

### Tentative Course Schedule

Week	Heading
January 8	Chapter 1
January 15	Chapter 2 + 3
January 22	Chapter 4 + 5
January 29	Chapter 6 (P.g 118 – 139)
February 5	Test 1 (All material from January 8 to January 22)
February 12	Chapter 7 (P.g.151 – 176; 179-180)
February 19	Reading week
February 26	Chapter 8
March 5	Chapter 9 (P.g. 215 – 236; 239),
March 12	Test 2 (All material from January 29 to February 26)
March 19	Chapter 10
March 26	Chapter 11 and Chapter 13
April 2	Test 3 (All material from February 26 to March 26)

\*\* This is a *tentative* schedule. Unforeseen circumstances sometimes require flexibility in scheduling. If that occurs, I will notify students in advance and provide a revised schedule. Please check Blackboard for any ***announcements*** on a regular basis.

**April 9\*\*\*\*\* Make up test for those who have missed any of the tests**