



Western University
SOCIOLOGY 2205B
Statistics for Sociology

Winter 2017
Tuesdays: 10:30 am to 11:30 am and
Thursdays: 10:30 am to 12:30 pm
Location: P&AB 106

Instructor: Jonathan Amoyaw

Office Hours: Tuesdays: 12:30 pm to 2:30 pm (*you must email to set up an appointment*)
Department of Sociology, Office: SSC 5415

Email: jamoyaw@uwo.ca (*Please insert SOC 2205B in the subject line*)

TA: Lawrence Cociu **Office:** SSC 5320 **Email:** lcociu@uwo.ca

Course Description

The Department of Sociology requires that all sociology major students be exposed to social theory, statistics, and research methodology. Sociology 2205 is the introductory course in basic statistical techniques. In this course, students will be introduced to basic statistical procedures and their application in sociological research. The course will begin with descriptive statistics, which include a review of basic mathematical concepts and methods used to summarize quantitative data, such as frequency tables and graphs, and measures of central tendency and dispersion. The rest of the course will be devoted to inferential statistics, which include procedures for testing hypotheses and measuring the association between variables.

Prerequisite(s)

At least 60% average in 1.0 from: Sociology 1020, 1021E, 1025A/B, 1026F/G, 1027 A/B

You are responsible for ensuring that you have successfully completed all course prerequisites. Unless you have either the requisites for this course or have written special permission from your Dean to enroll in the course, you will be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

Antirequisite(s)

Biology 2244A/B, Economics 2122A/B, 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, Psychology 2810, 2820E, 2830A/B, 2850A/B, 2851A/B, the former 2885, Social Work 2207A/B, the former 2205, Statistical Sciences 2035, 2141A/B, 2143A/B, 2244A/B, 2858A/B and the former 2122A/B (and Statistical Sciences 2037A/B if taken before Fall 2010).

Learning Outcomes

At the end of this course students will be able to:

- Comprehend the differences between descriptive and inferential statistics.
- Identify the most appropriate techniques and tools for studying specific social situations.
- Perform and interpret basic statistical analysis.
- Thoughtfully analyze and evaluate published research from a methodological perspective.

Required Text(s)

Healey, Joseph and Steven G. Prus. (2016). *Statistics, A Tool for Social Research* (3rd Canadian Ed.). Toronto: Nelson

You may use older versions of the text, but please be advised that topic coverage and text chapters may not match the course outline.

Method of Evaluation

Students will be evaluated based on assignments and exams.

Note! The Department of Sociology expects the distribution of final grades in this course to conform as closely as possible to the following norms for a 2200 level course: 1). the number of 'A's will not exceed the number of 'B's. 2) The mean grade for the class will range between 67 and 70%.

Assignments, Midterm and Final Exams

Assignments:

Students in this course will be given 2 major assignments. These assignments will be based on materials covered in class. Each assignment is worth 15% of the final grade. Assignment #1 is due on the 7th of February 2017, and Assignment #2 is due on the 21st of March 2017.

Students must hand in a hard copy of their assignment; any assignment submitted electronically will receive a grade of zero (0). Unless appropriate documentation is provided, student who submit their assignments after the due date will have their grade reduced by a rate of 10 % per day.

Midterm Test:

There will be one (1) midterm test, which will be based on the materials covered in the course. The midterm test is scheduled for **2nd March 2017** and is worth 30% of the final grade. The test will consist of multiple choice questions and short-answer questions.

Final Examination:

The final examination is worth 40% of the final grade, and it will be held during the April Exam Period (DTBA). Students are expected to have mastered ALL the materials of the course prior to the exams. The exact format of the final exam will be relayed later in the term.

Midterm and Examination Requirements:

Students are allowed to use a calculator on both the midterm and final exams. Other electronic devices such as cell phones and laptops are not permitted.

Note: Midterm and final exams will not be returned to students. If you want to go over your exams or assignments, you must set up an appointment with the TA.

Evaluation Breakdown

The Grading scheme for this course will be as follows:

Midterm Exam:	30%
Assignment 1:	15%
Assignment 2:	15%
Final Exam:	40%
Total:	100%

Attendance and Classroom Environment:

Students are encouraged to attend class regularly, pay attention, and participate in all in-class and out-of-class assignments.

How to Contact Me

I will be available to respond to questions regarding the course during office hours (*you must email to set up an appointment for office hours*). I check my e-mail regularly and will do my best to reply within 48 hours (not including weekends).

How to get important information

Sakai OWL (<http://owl.uwo.ca>) will be used to post course information, content, reminders, and important instructions regarding deadlines, expectations, requirements, etc. It is expected that you check OWL regularly to ensure that you are kept up to date on new and revised course content.

Course Schedule and Readings

Date	Topic	Reading
January 5, 10, 12, 17, 19,24	Syllabus and Course Overview Introduction and review of basic mathematical concepts. Descriptive Statistics <ol style="list-style-type: none"> 1. Basic Descriptive Statistics 2. Measures of Central Tendency 3. Measures of dispersion 	Preface, Chapters 1, 2, 3
January, 26, 31	Normal Distribution <ol style="list-style-type: none"> 1. Z-Scores 2. The Normal Curve 	Chapter 4
February, 2, 7, 9, 14,16	Inferential Statistics <ol style="list-style-type: none"> 1. The Sampling Distribution 2. Estimation Procedures 	Chapters 5, 6
February 7	ASSIGNMENT #1 DUE	
February 20 – 24	READING WEEK	
February 28 March 2, 7, 9, 14	Hypothesis Testing I, II, & IV <ol style="list-style-type: none"> 1. One Sample Case 2. Two Sample Case 3. Chi Square 	Chapters 7,8,10
March 2	MIDTERM EXAM	
March 16, 21, 23, 28, 30, April 4	Measures of Association <ol style="list-style-type: none"> 1. Bivariate Analysis <ul style="list-style-type: none"> • Nominal • Ordinal 2. Interval Ratio 	Chapters 11, 12, 13
March 21	ASSIGNMENT #2 DUE	
April 6	Review	
April 9 - 30	FINAL EXAM PERIOD	

* Please note that the course syllabus is subject to minor revisions and variations in dates

IMPORTANT POLICIES

A Note on Plagiarism:

Students must write their assignments in their own words. Whenever students take an idea from another author, they must acknowledge their debt both by using quotation marks where appropriate and by proper referencing such as footnotes or citations. Plagiarism is a major scholastic offence (the Scholastic Offence Policy can be viewed in the Western Academic Calendar).

Plagiarism Checking:

Students may be required to submit their assignments to turnitin.com on the class WebCT website after they are completed. These papers will be subject to submission for textual originality.

Policy on Laptops and other Electronics/Phones in Class:

Laptops are permitted in class but if it is observed that students are on social networking sites such as Facebook or Twitter, they will be told to close the lid and they will not be permitted to use it for the remainder of the class. Be sure that all cell phones are turned off at the beginning of class.

Policy on Accommodation for Medical Illness

Western's policy on Accommodation for Medical Illness can be found at www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_medical.pdf. Students must see the Academic Counsellor and submit all required documentation in order to be approved for certain accommodation: http://counselling.ssc.uwo.ca/procedures/medical_accommodation.html

Accessibility Options:

Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 x 82147 for any specific question regarding an accommodation. Information regarding accommodation of exams is available on the Registrar's website: http://www.registrar.uwo.ca/examinations/accommodated_exams.html

Scholastic Offences

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following web site: http://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf

Mental Health

Students who are in **emotional/mental distress** should refer to Mental Health@Western (http://uwo.ca/health/mental_wellbeing/index.html) for a complete list of options how to obtain help.