



The University of Western Ontario  
Department of Sociology  
SOCIOLOGY 2205B-001 Statistics for Sociology

Winter 2026

In-Person

Dr. Teresa Abada

Email: tabada@uwo.ca

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*This is a DRAFT copy only. Please see the course site for the final version.*

Course Description: An introduction to the techniques of statistical analysis used by sociologists, including descriptive statistics, the normal curve, hypothesis testing and various measures of association

**Prerequisite(s):** None

**Anti-requisite(s):** Biology 2244A/B, Economics 2122A/B, Economics 2222A/B, Geography 2210A/B, Health Sciences 3801A/B, MOS 2242A/B, the former Psychology 2810, the former Psychology 2820E, Psychology 2811A/B, Psychology 2830A/B, Psychology 2850A/B, Psychology 2851A/B, Social Work 2207A/B, Statistical Sciences 2035, Statistical Sciences 2141A/B, Statistical Sciences 2143A/B, Statistical Sciences 2244A/B, Statistical Sciences 2858A/B

**Course Objectives and Learning Outcomes:**

Students will learn how one analyses information obtained from various quantitative methodological techniques.

This course will cover both descriptive and inferential statistics.

1) The **descriptive part** includes a review of elementary mathematical concepts, construction and interpretation of tables and graphs and the measures of central tendency, dispersion, standard scores and normal distribution.

It is expected that students know and understand basic mathematical operations and you should know how to use a calculator. Any concerns about this please see the professor or the teaching assistant right away).

2) The second part of the course will cover **inferential statistics**. You will be introduced to measures of association, correlation, hypothesis testing and simple regression models

This course is difficult but no more so and demanding than any other Sociology course. As we proceed with the chapters, keep in mind that the material builds on previous information; therefore it is to your best interest that you keep up with your chapters and understand the concepts before moving on to the next chapter. **You are strongly advised to maintain rigorous study habits and ensure that you do not fall behind this course.**

**Learning Outcomes:** To provide the basic skills necessary for summarizing and analyzing statistical data; To develop an appreciation of the analytical and philosophical complexities of using numbers to describe people

## **Course Material:**

**Healey Joseph, Christopher Donahue Christopher and Steven Prus Statistics: A Tool for Social Research, 5<sup>th</sup> Edition, ISBN: ISBN: 9781774747391:**

E Book Access: Available for purchase at [Statistics: A Tool for Social Research and Data Analysis, 5th Edition - 9780176922047 - Cengage](#) Access till December 2026 for \$77.95.

I will also be bringing additional material to class including the use of data set(s) and STATA

## **Communication:**

Students are responsible for checking the course [OWL Brightspace](#) site on a regular basis for news and updates. This is the primary method by which information will be disseminated to all students enrolled in the course.

I can be contacted at [tabada@uwo.ca](mailto:tabada@uwo.ca) or on Brightspace communication

Replies to students' emails are made within 48 hours Monday to Friday 9:00AM to 5:00PM. You must provide your full name and the purpose of your email. If these are not included, I will not respond. Your messages to your professor is a formal correspondence and not to be written as a text/facebook/twitter message. Please note: I do not respond to emails such as *"what did I miss in yesterday's lecture?"*; If you missed any classes it is your responsibility to come and speak to me during my office hours and obtain the lecture notes from your classmates.

## **Course Schedule and Readings:**

The reading list and weekly schedule is available on the course Brightspace site.

## **Method of Evaluation:**

The evaluation methods described in the course outline are essential requirements for the course.

Midterm 1 February 11, 2026 25%

Midterm 2 March 18 2026 25%

Attendance 10% I will allow a maximum of three missed classes without penalty. You will require a medical note for any additional missed classes if you do not want me to deduct marks.

Final Exam Cumulative 40% TBA

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*Instructors are permitted to designate one assessment per course per term as requiring supporting documentation to receive academic consideration. For this course the midterms require supporting documentation to receive academic consideration to re-write the exams.*

**Midterm Exam:** The midterm exams will take place as noted above in the classroom. The first midterm will cover material from the beginning of the class up to and including lectures and readings brought into the class. The second midterm will cover material since the first midterm till the class leading to March 17. It will be multiple choice and short answer questions and a long answer question.

**The Final exam** will be cumulative and the same format as the midterms but longer. It will be in person.

Final exams always require supporting documentation and a makeup exam.

Every examination in this class (including the final) will be 3 hours long. It will be written in person, and only a calculator not capable of storing text is permitted. The calculator should be able to calculate exponents and square roots. No other devices or cheat sheets are permitted. Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

### **Use of Generative Artificial Intelligence (AI):**

*All assignments/exams must be completed independently, without the aid of artificial intelligence (AI).*

### **Electronic Devices:**

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.

### **Academic 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 website:

**[https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/scholastic\\_discipline\\_undergrad.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_undergrad.pdf)**

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. All required papers may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University for detection of plagiarism. All papers submitted for such checking will be included as source documents in the reference database for the purpose of

detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The University of Western Ontario and Turnitin.com (<https://www.turnitin.com/>). Students are expected to retain all research notes, rough drafts, essay outlines, and other materials used in preparing assignments. In the unlikely event of concerns being raised about the authenticity of any assignment, your instructor may ask you to produce these materials; an inability to do so may weigh heavily against you. Computer-marked multiple-choice tests and/or exams may be subject to submission for similarity review by software that will check for unusual coincidences in answer patterns that may indicate cheating.

**Copyright:** Students may not record or distribute any class activity, including conversations during office hours, without written permission from the instructor, except as necessary as part of approved accommodations for students with disabilities. Any approved recordings may only be used for the student's own private use.

***Absence from Course Commitments:*** Students must familiarize themselves with the Policy on Academic Consideration – Undergraduate Students in First Entry Programs [https://uwo.ca/univsec/pdf/academic\\_policies/appeals/academic\\_consideration\\_Sep24.pdf](https://uwo.ca/univsec/pdf/academic_policies/appeals/academic_consideration_Sep24.pdf) Students missing course work for medical, compassionate or extenuating circumstances can request academic consideration by completing a request using the Student Absence Portal (SAP) [https://registrar.uwo.ca/academics/academic\\_considerations/index.html](https://registrar.uwo.ca/academics/academic_considerations/index.html) . Students are permitted one academic consideration request per course per term without supporting documentation. Note that supporting documentation is always required for academic consideration requests for examinations scheduled by the office of the registrar (e.g. December and April exams) and for practical laboratory and performance tests typically scheduled during the last week of the term. Students should also note that the instructor may designate one assessment per course per term that requires supporting documentation. This designated assessment is described in the course outline. Supporting documentation for academic considerations for absences due to illness must include the completed Western Student Medical Certificate (SMC) [https://registrar.uwo.ca/academics/pdfs/student-medical\\_certificate.pdf](https://registrar.uwo.ca/academics/pdfs/student-medical_certificate.pdf) or, where that is not possible, equivalent documentation by a health care practitioner. Students must request academic consideration as soon as possible and no later than 48 hours after the missed assessment.

Once the request and supporting documentation have been received and reviewed, appropriate academic consideration, if granted, shall be determined by the instructor in consultation with the academic advisor, in a manner consistent with the course outline. Students with an approved absence from an in-class test or exam will be required to write a makeup exam, unless otherwise specified in the course outline. The course instructor or teaching assistant(s) may not be available to respond to questions during the makeup text/exam. Students should be aware that the make-up test/exam will not necessarily be in the same format, be of the same duration, or cover the same material as the original test/exam.

Note: missed work can only be excused through one of the mechanisms above. Being asked not to attend an in-person course requirement due to potential COVID-19 symptoms is not sufficient on its own. Students should check the Western website to see what directives for Covid are to be followed. Western has been and will continue to follow directives established by the Middlesex-London Health Unit. That directive will state whether students should or should not come to campus/class and any

other requirements (e.g., masks are mandatory). Please check on your own and do not email the instructor, the Department Undergraduate Advisor/Coordinator or the Faculty Academic Counselling Office. Students who fail to write a make-up test or special examination will receive a grade of zero on that assessment. No other make-up opportunities will be provided unless further academic consideration is granted by the student's Home Faculty Academic Counselling office.

**Religious Accommodation:** Students should review the policy for Accommodation for Religious Holidays [https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/accommodation\\_religious.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/accommodation_religious.pdf). Where a student will be unable to write examinations and term tests due to a conflicting religious holiday, they should inform their instructors as soon as possible but not later than two weeks prior to writing the examination/term test. In the case of conflict with a midterm test, students should inform their instructor as soon as possible but not later than one week prior to the midterm.

**Contingency plan for an in-person class pivoting to 100% online learning:** In the event of a COVID-19 resurgence or University approved emergency during the course that necessitates the course delivery moving away from face-to-face interaction, affected course content will be delivered entirely online, either synchronously (i.e., at the times indicated in the timetable) or asynchronously (e.g., posted on OWL Brightspace for students to view at their convenience). The grading scheme will not change. Any remaining assessments will also be conducted online as determined by the course instructor.

**Code of Student Conduct:** It is the responsibility of every student to read the Code and familiarize him or herself with its contents. The Code is available at [http://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/code\\_of\\_conduct.pdf](http://www.uwo.ca/univsec/pdf/academic_policies/appeals/code_of_conduct.pdf). Sanctions for non compliance range from a warning or reprimand to expulsion from the University.

**Student Responsibility:** Students in a degree program must select courses in accordance with the published requirements. Students are responsible for ensuring that their selection of courses is appropriate and accurately recorded, that all course prerequisites have been successfully completed, and that they are aware of any antirequisite course(s) they may have taken. Students must familiarize themselves with the Student Responsibility for Course Selection policy [https://www.uwo.ca/univsec/pdf/academic\\_policies/general/academic\\_counselling.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/general/academic_counselling.pdf) and the Registration and Progression policy [https://uwo.ca/univsec/pdf/academic\\_policies/registration\\_progression\\_grad/registration\\_progression.pdf](https://uwo.ca/univsec/pdf/academic_policies/registration_progression_grad/registration_progression.pdf). Students are responsible for the successful completion of the Graduation Requirements for their degree program [https://uwo.ca/univsec/pdf/academic\\_policies/registration\\_progression\\_grad/graduation.pdf](https://uwo.ca/univsec/pdf/academic_policies/registration_progression_grad/graduation.pdf).

**Support Services:** Office of the Registrar Services <http://www.registrar.uwo.ca>

**Faculty Academic Advising** - Please visit your Home Faculty Academic advising webpage for information regarding adding/dropping courses, important dates, academic considerations for absences, appeals, exam conflicts, and many other academic related matters [https://registrar.uwo.ca/faculty\\_academic\\_counselling.html](https://registrar.uwo.ca/faculty_academic_counselling.html).

USC services offers information about student the health/dental plan, Bus Pass, food support services,

**Peer support Centre** etc <http://westernusc.ca/services/> .

**Mental health** – Students who are in emotional/mental distress should refer to Mental Health@Western <http://www.uwo.ca/uwocom/mentalhealth/> for a complete list of options about how to obtain help.

**Health & Wellness Services** – Registered part-time and full-time students can book a physical health appointment at <https://www.uwo.ca/health/shs/index.html>. Additional on-campus services are also available <https://www.uwo.ca/health/shs/services/index.html>.

**Accessible Education** provides supports and services to students with disabilities at Western, in all programs and faculties. Students with disabilities or accessibility challenges should work with Accessible Education (formerly SSD) [http://academicsupport.uwo.ca/accessible\\_education/index.html](http://academicsupport.uwo.ca/accessible_education/index.html), which provides recommendations for accommodation based on medical documentation or psychological and cognitive testing.

**Gender-Based and Sexual Violence** – Western is committed to reducing incidents of gender-based and sexual violence (GBSV) and providing compassionate support to anyone who is going through or has gone through these traumatic events. If you are experiencing or have experience GBSV (either recently or in the past), you will find information about support services for survivors, including emergency contacts at the following website: [http://uwo.ca/health/student\\_support/survivor\\_support/get\\_help.html](http://uwo.ca/health/student_support/survivor_support/get_help.html)

**Western Libraries** – Visit the many library locations on campus. Western Libraries provide access to material in physical and digital formats <https://www.lib.uwo.ca/catalogue/index.html>. Research support is available <https://www.lib.uwo.ca/research/index.html>.

**Writing support** – Online writing resources, writing support and writing modules are available <https://writing.uwo.ca/undergrads/> Bookstore: Search for Textbook availability and cost <https://bookstore.uwo.ca/textbook-search>