



SOCI 311 (01) Introductory Social Statistics I			
Pre/Co-Requisites	SOCI 201		
Instructor:	Jie Miao	Lecture Location:	ST 126
Phone:	403-220-3214 (email is the best way to reach me)	Lecture Days/Time:	TR 9:00 am to 11:45 am.
Email:	jie.miao@ucalgary.ca	Labs:	TR 1:00 pm to 3:45 pm.
Office:	SS 945	Office Hours:	Mondays from 1:00 to 3:00 pm, or by appointment.
Teaching Assistant:	Omid Asayesh	Email:	omid.asayesh@ucalgary.ca
Office:	SS 943	Office Hours:	Wednesdays from 1:00 to 3:00 pm
Instructor Email Policy	<p>Feel free to contact me over email at any time. Please put your course number and section in your email's subject line, and include a proper salutation, your full name, student ID, and a proper closing in the body of your email. I do not answer emails over the weekend. Please take that into account when emailing me questions pertaining to assignments or exams. If you have a course-related question, please check the course outline first. Please do not use e-mail as a replacement for an office visit, if there is something you want to discuss. Questions about the course content and readings, concerns about grades, or any other personal issues should be dealt with in person during my office hours.</p>		

Course Description

Univariate and bivariate statistics for survey data. Topics include cross tabular analysis, the normal distribution, confidence intervals for means, hypothesis testing, Chi-squared and F-distributions and bivariate linear regression analysis. In labs statistical software to analyze survey data will be used.

Course Objectives/Learning Outcomes

At the end of this course, students should have knowledge and understanding of the basic means of describing survey data, as well as how sociologists can use survey data to extrapolate to a population. This includes being able to identify levels of measurement, describing patterns of central tendency and dispersion within measures, estimating confidence intervals, and choosing the correct statistical procedure to answer a research question involving one variable or a relationship between two variables. Students should be able to use Stata to describe distributions of categorical and continuous variables, as well as relationships between categorical or continuous measures, including confidence intervals and appropriate hypothesis testing. This course is intended to provide students

with the statistical skills to 1) prepare them for more advanced courses (including SOCI 315) and 2) facilitate reading and understanding of the wider sociological literature.

Required Textbook

Cooper, Jonathon A., Peter A. Collins, and Anthony Walsh. 2016. *Understanding and Using Statistics for Criminology and Criminal Justice*. New York, NY: Oxford University Press.

Learning Technologies and Requirements

There is a D2L site for this course which will contain all PowerPoint slides, lab assignment instructions, as well as the data you will use in labs (see d2L.ucalgary.ca).

In addition, labs will be performed using the Stata statistical program. Stata is available to registered students in the class through the Faculty of Arts computer lab.

Schedule of Lectures and Readings

PowerPoint slides will be posted on D2L as the class progresses. Students should use the slides to follow along with the lectures. Following along with the lectures is especially important because students will still need to take notes, even if the PowerPoint slides are available. There are no lecture notes besides the PowerPoint slides. Students will be notified by email when a set of slides are posted to D2L, and when Jie expects to present the lecture.

Weeks/Dates	Readings
Week 1: May 4	Chapter 1. Introduction to Statistical Analysis Chapter 2. Presenting Data
Week 2: May 9 & May 11	Chapter 3. Central Tendency and Dispersion Chapter 4. Probability and the Normal Curve
Week 3: May 16 & May 18	Chapter 5. The Sampling Distribution and Estimation Procedures
Week 4: May 23 & May 25	Chapter 6. Hypothesis Testing: Interval/Ratio Data
Week 5: May 30 & June 1	Chapter 7. Analysis of Variance
Week 6: June 6 & June 8	Chapter 8. Hypothesis Testing with Categorical Data: Chi Square
Week 7: June 13 & June 15	Chapter 11. Bivariate Correlation and Regression

Methods of Assessment and Grading Weights

The course will have three requirements that will contribute to your final course grade:

1. Labs (40%):

Labs will serve two purposes. First, labs will be a student's opportunity to answer questions regarding material that will be addressed on the exams, but with a TA or instructor available for assistance. Second, students will learn and apply the Stata computer program to analyze data using statistical procedures that are being covered in class. Lab assignments will be a mix of work problems and Stata exercises. Labs should be turned in through the appropriate folder on D2L.

Labs will be held Tuesdays and Thursdays from 1:00 to 3:45pm. Before the midterm, lab assignments will be given every Thursday and is expected to be submitted at the beginning of the following

Thursday's lab session, when work on the new assignment will begin. After the midterm, lab assignments will be given every Tuesday and the deadline for submission will be at the beginning of the following Tuesday's lab session, allowing one week to complete each assignment. There will be approximately 5-6 lab assignments in this course, all of which together will be worth 40% of a student's final grade. Lab demos will provide you with all theory and syntax needed to complete each of these assignments. Since each lab will be graded out of a different total (depending on length and question detail) your total lab grade will be based on the additive score received on each lab assignment, divided by the total number of possible points across all labs (then multiplied by .40 to reflect a weight of 40%).

2. Midterm (25% of course grade):

Midterm exam will consist of true/false, multiple choice, and short answer questions. The midterm will be during the lab time. You will have two hours to complete the midterm exam. A double-sided study aid, non-programable calculator, and scrap paper are permitted. Exam date is Thursday, May 25th.

3. Final Exam (35% of course grade):

This test will take place during the Registrar-scheduled final exam period. It will consist of true/false, multiple choice, and short answer questions. This exam is cumulative. A double-sided study aid, non-programable calculator and scrap paper are permitted.

COMPONENT	WEIGHTING	DUE DATES/DAY
Labs	40%	Tues or Thurs by 1 pm
Midterm	25%	May 25th
Final Exam	35%	Registrar Scheduled
Total	100%	

Final Examination

Provide the following detailed information

Final Exam	Y
Format	Registrar scheduled
Modality	Registrar scheduled exam in-person or on-line
Type	True/false, multiple choice, and short answer questions
Duration	120 minutes
Aids	Calculator, scrap paper, and a one-page double-sided cheat sheet will be allowed

Grading Scale

Letter grades will be assigned and submitted to the registrar based on the following scale:

Grade	Percent range	Grade Point Value	Description
A+	96 – 100%	4.0	Outstanding performance
A	90 – 95.99%	4.0	Excellent performance
A-	85 – 89.99%	3.7	Approaching excellent performance
B+	80 – 84.99%	3.3	Exceeding good performance
B	75 – 79.99%	3.0	Good performance
B-	70 – 74.99%	2.7	Approaching good performance
C+	67 – 69.99%	2.3	Exceeding satisfactory performance
C	63 – 66.99%	2.0	Satisfactory performance
C-	59 – 62.99%	1.7	Approaching satisfactory performance
D+	55 – 58.99%	1.3	Marginal pass. Insufficient preparation for subsequent courses in the same subject
D	50 – 54.99%	1.0	Minimal Pass. Insufficient preparation for subsequent courses in the same subject.
F	<50%	0	Failure. Did not meet course requirements.

Passing Grades

Students do not have to pass all exams to receive a passing grade in the class. Students also do not have to pass all of the lab assignments to pass the class. The final average will be calculated as $((0.4 * \text{lab average}) + (0.1 * \text{midterm \#1 percentage}) + (0.15 * \text{midterm \#2 percentage}) + (0.35 * \text{final percentage}))$. Students need to obtain a cumulative percent that is equivalent to a “D” letter grade as indicated above in order to pass this course.

Missed or Late Coursework

Labs will typically be due on the Thursdays by 1 pm. If the lab is turned in after the due date and does not meet the policy for deferrals, a penalty of 5% of the total marks (per day) may be deducted from the lab before any marks are deducted for errors.

Libraries & Cultural Resources

To contact your librarian or find out about the resources and services available to sociology students go to the Sociology Library guide: <https://library.ucalgary.ca/guides/sociology>

To access the main Library website, go to: <https://library.ucalgary.ca>

IMPORTANT POLICIES AND INFORMATION

Absence From a Mid-term Examination

Students who are absent from a scheduled term test or quiz for legitimate reasons are responsible for contacting the instructor via email within 48 hours of the missed test to discuss alternative arrangements. A copy of that email may be requested as proof of the attempt to contact the instructor.

Deferred Term Work Form: Deferral of term work past the end of a term requires a form to be filled out by the student and submitted, along with any supporting documentation, to the instructor. The form is available at: https://live-ucalgary.ucalgary.ca/sites/default/files/teams/14/P22_deferral-of-term-work_lapseGrade.pdf

Once an extension date has been agreed between instructor and student, the instructor will email the form to the Faculty of Arts Program Information Centre (ascarts@ucalgary.ca) for approval by the Associate Dean.

Deferral of a Final Examination

Deferral of a final examination can be granted for reasons of illness, domestic affliction, and unforeseen circumstances, as well as to those with three (3) final exams scheduled within a 24-hour period. Deferred final exams will not be granted to those who sit the exam, who have made travel arrangements that conflict with their exam, or who have misread the examination timetable. The decision to allow a deferred final exam rest not with the instructor but with Enrolment Services. Instructors should, however, be notified if you will be absent during the examination. The Application for Deferred Final Exam, deadlines, requirements and submission instructions can be found on the Enrolment Services website at <https://www.ucalgary.ca/registrar/exams/deferred-exams>.

Reappraisal of Grades:

For Reappraisal of Graded Term Work, see Calendar I.2
<http://www.ucalgary.ca/pubs/calendar/current/i-2.html>

For Reappraisal of Final Grade, see Calendar I.3
<http://www.ucalgary.ca/pubs/calendar/current/i-3.html>

Academic Misconduct:

Academic Misconduct refers to student behavior that compromises proper assessment of students' academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar.

For information on the Student Academic Misconduct Policy, Procedure and Academic Integrity, please visit: <https://www.ucalgary.ca/pubs/calendar/current/k-3.html>

Plagiarism And Other Forms Of Academic Misconduct

Academic misconduct in any form (e.g. cheating, plagiarism) is a serious academic offence that can lead to disciplinary probation, suspension or expulsion from the University. Students are expected to be familiar with the standards surrounding academic honesty; these can be found in the University of Calgary calendar at <http://www.ucalgary.ca/pubs/calendar/current/k.html>. Such offences will be taken seriously and reported immediately, as required by Faculty of Arts policy.

Recording of Lectures:

Recording of lectures is prohibited, except for audio recordings authorized as an accommodation by SAS or an audio recording for individual private study and only with the written permission of the instructor. Any unauthorized electronic or mechanical recording of lectures, their transcription, copying, or distribution, constitutes academic misconduct. See <https://www.ucalgary.ca/pubs/calendar/current/e-6.html>.

Academic Accommodations:

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services. SAS will process the request and issue letters of accommodation to instructors. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their instructor. The full policy on Student Accommodations is available at

<https://www.ucalgary.ca/legal-services/university-policies-procedures/student-accommodation-policy>

Research Ethics

Students are advised that any research with human subjects – including any interviewing (even with friends and family), opinion polling, or unobtrusive observation – must have the approval of the Conjoint Faculties Research Ethics Board. In completing course requirements, students must not undertake any human subject research without discussing their plans with the instructor, to determine if ethics approval is required.

Instructor Intellectual Property

Course materials created by instructors (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may NOT be reproduced, redistributed or copied without the explicit consent of the instructor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

Freedom of Information and Protection of Privacy (FOIP) Act:

Personal information is collected in accordance with FOIP. Assignments can only be returned to the student and will be accessible only to authorized faculty and staff. For more information, see

<https://www.ucalgary.ca/legal-services/access-information-privacy>

Copyright Legislation:

See the University of Calgary policy on Acceptable Use of Material Protected by Copyright at <https://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy> Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

Course materials created by instructors (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may NOT be reproduced, redistributed or copied without the explicit consent of the instructor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.

Evacuation Assembly Points

In the event of an emergency evacuation from class, students are required to gather in designated assembly points. Please check the list found at <https://www.ucalgary.ca/risk/emergency-management/evac-drills-assembly-points/assembly-points> and note the assembly point nearest to your classroom.

Important Dates:

Please check: <http://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html>.

Faculty of Arts Program Advising and Student Information Resources

- Have a question, but not sure where to start? The Arts Students' Centre is your information resource for everything in Arts! Drop in at SS102, call them at 403-220-3580, or email them at artsads@ucalgary.ca. You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate>, which has detailed information on common academic concerns, including program planning and advice.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at 403-210-ROCK [7625] or visit them in the MacKimmie Tower.

Important Contact Information

Campus Security and Safewalk (24 hours a day/7 days a week/365 days a year)
Phone: 403-220-5333

Faculty of Arts Undergraduate Students' Union Representatives
Phone: 403-220-6551
Email: arts1@su.ucalgary.ca, arts2@su.ucalgary.ca, arts3@su.ucalgary.ca,
arts4@su.ucalgary.ca
Students' Union URL: www.su.ucalgary.ca

Graduate Students' Association
Phone: 403-220-5997
Email: askgsa@ucalgary.ca
URL: www.ucalgary.ca/gsa

Student Ombudsman
Phone: 403-220-6420
Email: ombuds@ucalgary.ca

Campus Mental Health Resources

The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the excellent mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the following resources:

SU Wellness Centre: <http://www.ucalgary.ca/wellnesscentre/>

Student Wellness Services:
<https://www.ucalgary.ca/wellness-services/services/mental-health-services>

Campus Mental Health Strategy website: <https://www.ucalgary.ca/mentalhealth/>.