



UNIVERSITY OF CALGARY

Spring 2020

FACULTY OF ARTS

Department of Sociology

Department of Sociology Website: <https://soci.ucalgary.ca/>

COURSE TITLE: Introductory Social Statistics I			
Course Number	SOC 311		
Pre/Co-Requisites	SOC 201		
Instructor Name	Syed Hammad Ali	Email	syedhammad.ali1@ucalgary.ca
Instructor Email Policy	Feel free to contact me over email at any time. Please put your course number 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. All emails violating customary email conventions will be ignored. All other emails will be answered within three business days . I do not answer emails over the weekend. Please take that into account when emailing me questions pertaining assignments or exams. If you have a course-related question, please check the course outline first. Questions that can be answered by consulting the course outline will not be answered. Also, please e-mail me for administrative purposes only, for example to set up an appointment during office hours. Please do not use e-mail as a replacement for office time, 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 during my office hours.		
Office Location	----	Office Hours	Wed: 1:00 – 3:00 pm
Telephone No.	----		
Class Dates	Lectures & Labs: Tuesdays and Thursdays		
Class Times	Lectures: 09:00 – 11:45 & Labs: 13:00 – 15:45		
Class Location	Online		

Course Description

This course will introduce students to basic principles and logic behind statistical techniques used in social science research, along with interpreting data analysis outputs. It is important to note that it is not a mathematics course, and it aims to inform students about the fundamentals of statistical

reasoning, the role of statistical methods in social science, and helping them prepare for more advanced quantitative courses. Students will, as such, learn the logic, meaning, and application of descriptive and inferential social statistics. At the end of this course, students should have knowledge and understanding of the essential means of describing survey data, as well as how sociologists can employ survey data to extrapolate to a population.

Course Objectives/Learning Outcomes

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

- (1) Understand statistical methods used in social sciences
- (2) Interpret sociological research that uses descriptive and inferential statistics
- (3) Use Stata statistical software for generating descriptive and inferential data outputs
- (4) Take more advanced courses in social statistics (e.g., SOCI 315).

Course Format

Both the class and lab components will be synchronous. As such, the contents of the course will be covered and taught online. It is expected that students will be online during the course timing.

Required Textbooks, Readings, Materials, Electronic Resources

Haan, Michael and Godley, Jenny. 2017. *An Introduction to Statistics for Canadian Social Scientists, 3rd Edition*. Don Mills, ON: Oxford University Press.

Schedule of Lectures and Readings

Please note: Every attempt will be made to follow this schedule, but it is subject to change at the discretion of the instructor.

Lecture 1 and Lab 1 – Thursday, May 7th: Introduction/Univariate Statistics

- Chapters to read: Hann & Godley Chapters 1, 2, 3
- Lab #1: Lab Assignment 1 – Section A

Lecture 2 and Lab 2– Tuesday, May 12th: Univariate Statistics/Introduction to Probability/The Normal Curve

- Chapters to read: Hann & Godley Chapters 3, 4, 5
- Lab #2: Lab Assignment 1 – Section B

Lecture 3 and Lab 3– Thursday, May 14th: Measures of Central Tendency and Dispersion

- Chapters to read: Hann & Godley Chapters 6
- Lab #3: Lab Assignment 1 – Section C

Lecture 4 and Lab 4 – Tuesday, May 19th: Standard Deviations, Standard Scores, and the Normal Distribution/Sampling

- Chapters to read: Hann & Godley Chapters 7 & 8
- Lab #4: Lab Assignment 1 – Section D

Lecture 5 and Lab 5 – Thursday, May 21st: Generalizing from Samples to Populations/Revision

- Chapters to read: Hann & Godley Chapter 9
- **Lab Assignment 1 – Sections A-B-C-D: Due before lab starts**
- Lab #5: Assignment 2 – Section A

Lecture 6 and Lab 6 – Tuesday, May 26th: Bivariate Statistics – Part I

- Chapters to read: Hann & Godley Chapters 10
- Lab #6: **Exam #1 will commence at Lab time**

Lecture 7 and Lab 7 – Thursday, May 28th: Bivariate Statistics – Part II

- Chapters to read: Hann & Godley Chapters 11
- Lab #7: Lab Assignment 2 – Section B

Lecture 8 and Lab 8 – Tuesday, June 2nd: Bivariate Statistics – Part III

- Chapters to read: Hann & Godley Chapters 12
- Lab #8: Lab Assignment 2 – Section C

Lecture 9 and Lab 9 – Thursday, June 4th: Bivariate Statistics – Part IV

- Chapters to read: Hann & Godley Chapters 13
- Lab #9: Lab Assignment 2 – Section D

Lecture 10 and Lab 10 – Tuesday, June 9th: Bivariate Statistics – Part V

- Chapters to read: Hann & Godley Chapters 14
- Lab #10: Lab Assignment 2 – Section E

Lecture 11 and Lab 11 – Thursday, June 11th: Bivariate Statistics – Part VI

- Chapters to read: Hann & Godley Chapters 15
- Lab #11: **Lab Assignment 2 – Sections A-B-C-D-E: Due by end of the lab.**

Lecture 12 and Lab 12 – Tuesday, June 16th: Multiple Regression (Note: Multiple Regression not part of final exam)/Revision

- Chapters to read: Hann & Godley Chapters 16
- Lab #12: **Revision will be done during lab hours**

Methods of Assessment and Grading Weights

- Lab Assignments (2 x 10%) 20%
- Exam 1 35%

- Final Exam (Cumulative) 45%
Total 100%

Please note: If the lab is turned in after the due date, 50% of the total marks possible will be deducted from the lab before any marks are deducted for errors.

Final Exam Information

The **final exam is cumulative and worth 45% of your final grade.** It will be held during the formal exam period with the exact date and time to be determined by the registrar.

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.

Grade Reappraisal

Within two weeks of the date the exam/assignment is returned, students seeking reappraisal of examinations or assignments must submit a written response to the instructor explaining the basis for reconsideration of one's mark. The instructor will reconsider the grade assigned and will then

book a time with the student to discuss his or her work and rationale. It should be noted that a re-assessed grade may be raised, lowered, or remain the same.

Handing in Papers, Assignments

1. The main Sociology Department office does not deal with any course-related matters. Please speak directly to your instructor.
2. **Protection of Privacy:** The Freedom of Information and Protection of Privacy (FOIPP) legislation does not allow students to retrieve any course material from public places. Anything that requires handing back will be returned directly during class or office hours. If students are unable to pick up their assignments from the instructor, they can provide the instructor with a stamped, self-addressed envelope to be used for the return of the assignment. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary
3. Final grades are not posted by the Sociology Department. They are only available online.

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 Faculty Ethics Committee. In completing course requirements, students must not undertake any human subjects research without discussing their plans with the instructor, to determine if ethics approval is required.

Copyright Legislation

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright-policy.pdf>) and requirements of the Copyright Act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy.

Instructor Intellectual Property

Course materials created by professor(s) (including course outlines, presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the professor(s). These materials may NOT be reproduced, redistributed or copied without the explicit consent of the professor. 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.

Recording of Lectures

Note that the audio or video recording of lectures and taking screenshots of PowerPoint slides during the lecture are not permitted without explicit authorization. The non-authorized media recording of lectures is inconsistent with the Code of Conduct and may result in discipline in accordance with the Student Non-Academic Misconduct Policy and Procedure. For more

information click here: <https://www.ucalgary.ca/policies/files/policies/non-academic-misconduct-policy.pdf>.

Sharing of Lecture Notes and Exam Questions

Note that publicly sharing lectures notes and exam questions on 3rd party sites such as OneClass, StudyBlue, Quizlet, Course Hero, etc. is not permitted. If you wish to use these helpful studying tools, make sure you adjust your privacy settings accordingly. Any violations are subject to investigation under the UofC Student Non-Academic Misconduct Policy. For more information, click here: <https://www.ucalgary.ca/policies/files/policies/non-academic-misconduct-policy.pdf>.

Academic Misconduct

Please refer to the website listed below for information on University of Calgary policies on Plagiarism/Cheating/Other Academic Misconduct:

<http://www.ucalgary.ca/pubs/calendar/current/k.html>

Absences and Deferrals

Students who are absent from class assessments (tests, participation activities, or other assignments) should inform their instructors as soon as possible. Instructors may request that evidence in the form of documentation be provided. If the reason provided for the absence is acceptable, instructors may decide that any arrangements made can take forms other than make-up tests or assignments. For example, the weight of a missed grade may be added to another assignment or test. For information on possible forms of documentation, including statutory declarations, please see <https://www.ucalgary.ca/pubs/calendar/current/m-1.html>

Deferred Final Exam Form: Please note that requests to defer a Registrar scheduled final exam are dealt with through the Registrar's Office.

Deferred Term Work Form: Deferral of term work past the end of a term requires a form to be filled out. More information about deferred term work is provided by the Registrar.

Once an extension date has been agreed between instructor and student, the form should be forwarded to the Faculty of Arts Program Information Centre for approval by an Associate Dean (Students).

Academic Accommodation

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. For additional information on support services and accommodations for students with disabilities, visit www.ucalgary.ca/access/. 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:

<http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf>

Students needing an Accommodation based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the course instructor.

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>

Wellness and Mental Health Resources

The University of Calgary recognizes the pivotal role that 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 support 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 Student Wellness Services (Room 370 MacEwan Student Centre, <https://www.ucalgary.ca/wellness-services/services/mental-health-services>) and the Campus Mental Health Strategy (<http://www.ucalgary.ca/mentalhealth/>).

Student Success Centre

The Student Success Centre provides services and programs to ensure students can make the most of their time at the University of Calgary. Our advisors, learning support staff, and writing support staff assist students in enhancing their skills and achieving their academic goals. They provide tailored learning support and advising programs, as well as one-on-one services, free of charge to all undergraduate and graduate students. For more information visit:

<https://www.ucalgary.ca/student-services/student-success>

Student Ombuds Office

The Student Ombuds Office supports and provides a safe, neutral space for students. For more information, please visit www.ucalgary.ca/ombuds/ or email ombuds@ucalgary.ca.

Student Union (SU) Information

The SU Vice-President Academic can be reached at (403) 220-3911 or suvpaca@ucalgary.ca; Information about the SU, including elected Faculty Representatives, can be found here:

<https://www.su.ucalgary.ca>.

Emergency Evacuation/Assembly Points

Assembly points for emergencies have been identified across campus. Assembly points are designed to establish a location for information updates from the emergency responders to the evacuees; from the evacuated population to the emergency responders. For more information, see the University of Calgary's Emergency Management website:

<https://live-risk.ucalgary.ca/risk/emergency-management/evac-drills-assembly-points/assembly-points>

Safewalk

Campus security will escort individuals, day or night, anywhere on campus (including McMahon Stadium, Health Sciences Centre, Student Family Housing, the Alberta Children's Hospital and the University LRT station). Call 403-220-5333 or visit <http://www.ucalgary.ca/security/safewalk>. Use any campus phone, emergency phone or the yellow phone located at most parking lot pay booths. Please ensure your personal safety by taking advantage of this service.