UNIVERSITY OF CALGARY

Summer 2022
FACULTY OF ARTS
Department of Sociology
Department of Sociology Website: https://soci.ucalgary.ca/

COURSE TITLE: Introductory Social Statistics II			
Course Number	SOCI 315		
Pre/Co-Requisites	SOCI 311		
Instructor Name	Dr. Hamid Akbary	**Email**	akbary.sayed@ucalgary.ca
Instructor Email Policy	Class announcements will be sent out over e-mail, so you'll need to make sure that the university has your correct e-mail address and that your e-mail account is in working order. **Due to the complexity of course material, some questions about course content may not be answered over email. Instead, you must meet with the course instructor, or the Teaching Assistant (TA) if you have questions about the course material.** We will make every effort to reply to your e-mails within 24 hours (not counting weekends), but it may take up to 48 hours to respond. **A brief note on email etiquette**. When emailing the instructor or the TA, your email MUST always contain the following elements: • "SOCI 315" should be in the subject line of the email. Emails that do not include "SOCI 315" in the subject line may not be read or acknowledged. • You should put the issue you are emailing about in the body of your email, using correct sentence structure, spelling, and punctuation. • You should sign your name and include your student number.		
Office Location	SS 911	**Office Hours**	Thursdays 4:00-5:00pm
Telephone No.	N/A		
Class Dates	June 28 – August 9, 2022		
Class Times	Lectures: Tuesdays and Thursdays 9:00 – 11:45am Labs: Tuesdays and Thursdays 1:00 – 3:45pm		
Class Location	Lectures: SS 012 Labs: SA 235		

COURSE DESCRIPTION
This course will focus on multivariate statistics. It will include topics such as multiple regression, dichotomous predictors, non-linear relationships, tests of mediation, and interaction analysis. Please note that this course will expand on the material learned in SOCI 311. We will begin with a review of concepts from SOCI 311 before introducing new topics, but familiarity with material from SOCI 311 is expected.

COURSE LEARNING OUTCOMES
At the end of this course, students should have knowledge and understanding of the application of the basic OLS regression model to the study of sociologically-based research questions. Students should be familiar with the concept of statistical control and why statistical controls are commonly used in the social sciences, as well as be able to employ statistical control in an OLS context using the Stata statistical program. Students should also be able to explain the conditions under which a dichotomous variable or set of dichotomous variables can be used in an OLS regression model, and also employ a dichotomous predictor or set of dichotomous predictors in a multivariate regression model using Stata. Students should also have an appreciation of the way that mediation can be used to explain associations, as well as how interactions are used to test moderation.

LEARNING RESOURCES
The class has one required textbook, which can be purchased through the university bookstore. The textbook will not be posted to D2L. The book is: Mehmetoglu, Mehmet and Tor Georg Jakobsen. 2017. Applied Statistics Using Stata: A Guide for the Social Sciences. Sage Press. (ISBN: 9781473913233)

LEARNING TECHNOLOGIES AND REQUIREMENTS
There is a D2L site for this course which will contain all PowerPoint slides, as well as the data you will use in labs and sample Stata syntax (see d2L.ucalgary.ca).

CLASS SCHEDULE
PowerPoint slides will be posted on D2L as the class progresses. There are no lecture notes besides the PowerPoint slides. Students will be notified by email when a set of slides are posted on D2L.

Weeks/Dates	Lectures	Labs & Quizzes (weight)
Week 1: June 28 – June 30	Lecture 1. Bivariate Regression Lecture 2. Hypothesis Testing in Bivariate Regression	Lab 1 due on June 30 at 6pm
Week 2: July 5 – July 7	Lecture 3. Introduction to Multiple Regression Lecture 4. Hypothesis Testing in Multiple Regression	Quiz 1 due on July 5 at 6pm Lab 2 due on July 8 at 6pm
Week 3: July 12 – July 14	Lecture 5. Categorical Predictors in Multiple Regression	Quiz 2 due on July 12 at 6pm Lab 3 due on July 15 at 6pm
Week 4: July 19 – July 21	Lecture 6. Testing Group Differences in Slopes: Moderation	Quiz 3 due on July 19 at 6pm Lab 4 due on July 22 at 6pm
Week 5: July 26 – July 28	Lecture 7. Testing Indirect Associations: Mediation	Quiz 4 due on July 26 at 6pm Lab 5 due on July 29 at 6pm
Week 6: Aug 2 – Aug 4	Lecture 8. Writing RDC Research Proposal Lecture 9. Guest Lecturer (RDC Researcher)	Quiz 5 due on August 2 at 6pm
Week 7: Aug 9 (last class)	Review	
Aug 15	Final Paper (RDC Proposal) due	Final paper due at 12pm on Aug 15

EXAMINATIONS

There will be no final exam for this class, as grades will be based on (1) the lab assignments, (2) quizzes, and (3) final paper (research proposal).

ASSESSMENT COMPONENTS

Quizzes (35%)

The class will have weekly quizzes that will be posted to D2L every Tuesday by 6:00pm with the only exception of the first week. Each quiz will be composed of 10-20 true/false and multiple-choice questions. It is estimated that each quiz will take no more than 1 hour to complete. The D2L system will, however, be set up to allow 3 hours to complete each quiz. Students can take the quiz at any time between when the quiz is posted to D2L and when the quiz is closed on Tuesday of the following week at 6:00pm. In other words, students have a week to complete each quiz.

Please be aware that, when taking a quiz, only one question will be displayed on a page. Students will **not** be allowed to go back once they have submitted an answer. It is the students' responsibility to ensure that they have selected an answer they intended before moving on to the next question. It is also the student's responsibility to ensure that they finish the quiz in the allotted time. Once a student has submitted the quiz, the student **cannot** go back and change answers or re-take the quiz.

Quizzes will focus on material recently covered in class. However, because knowledge in statistics is cumulative, all quizzes may address any material covered up to that point in class. Students will **not** need to use Stata for the quizzes but may be asked to interpret Stata output on the quizzes.

All quizzes are open-note and open-book. Students may use the textbook as well as all lecture and lab materials in answering the questions. Students may **not** use any other resource to complete the quizzes. Prohibited resources include (but are not limited to): friends, family, and other students in the class; tutors, your instructor and TA; and google, web pages, twitter, and other electronic resources. If a student is unclear on whether a resource is prohibited, the student should contact the instructor **before** using the resource.

If a student experiences connectivity or other electronic issues while taking a quiz that prevent completing the quiz in the 3-hour time-period, the student should contact the instructor immediately. The student should not wait until the grades are posted.

There are five quizzes in this course. Each quiz will be worth 7%, all of which together will be worth 35% of a student's final grade.

Labs (50%)

Labs will serve two purposes. First, labs will be a student's opportunity to answer questions regarding the material that will be addressed on the quizzes, but with a T.A. or instructor available for assistance. Second, students will learn and apply the Stata computer program to analyze data using statistical

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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 in person at specific days and times of labs reserved, which will be Tuesdays and Thursdays from 1:00 to 3:45pm.

Labs will be due at 6:00pm every Friday with the exception of the first week of the course, as July 1 is a holiday and thus Lab 1 will be due at 6pm on *Thursday, June 30*.

Absolutely no handwriting or pictures of handwriting should be turned in as a lab answer; hand-written drawings of figures or pictures of hand-written drawings are also not acceptable. Answers of this type will not receive lab credit.

There are five labs in this course. Each lab will be worth 10%, all of which together will be worth 50% of a student's final grade.

Final paper (15%)

 The purpose of the final paper is to assess your ability to incorporate the statistical concepts and methods you learn in this course into a quantitative research proposal. The students will work in groups of two (assigned by the instructor) to complete the research proposal. The proposal must be between 6 to 10 pages and will be worth 15% of a student's final grade.

All group members are expected to participate and have equal contribution to the writing and development of the ideas for the research proposal, and it is the students' responsibility to make sure that their group member does so. Hence, all members of a group will receive the same final score on their group research proposals.

The topic of research proposals is entirely up to the students/groups. However, they may consult with the instructor and/or the course TA.

The final paper will be due at 12:00pm on August 15th.

MISSED OR LATE ASSIGNMENTS
If a student does not turn in the lab by this date and time, the D2L folder will close and the student will need to email the assignment directly to the course instructor. If the lab is turned in after the due date and does not meet the policy for deferrals, 50% of the total marks possible will be deducted from the lab before any marks are deducted for errors.

If a student turns in an assignment partially completed, no additional aspects of the assignment will be accepted after the due date. Furthermore, if a student accidentally turns in the wrong assignment and does not realize this until after the due date, the student will not be allowed to turn in the correct assignment for credit after the due date. A student is free to turn in an updated assignment before the due date; D2L will be set so that only the most recently turned-in assignment is retained for grading. It is the student's responsibility to check and make sure that the labs they have submitted is complete and before the deadline.

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.

The final course grade is calculated based on student's grades on weekly lab assignments, quizzes, and final paper (RDC research proposal).

EXPECTATIONS FOR WRITING

All written assignments (including weekly lab assignments and the final paper) will be assessed at least partly on writing skills. Writing skills include not only surface correctness (grammar, punctuation, sentence structure, etc.) but also general clarity and organization. Sources used in research papers must be properly documented. If you need help with your writing, you may use the writing support services in the Learning Commons. For further information, please refer to the official online University of Calgary Calendar, Academic Regulations, E. Course Information, E.2: Writing Across the Curriculum: http://www.ucalgary.ca/pubs/calendar/current/e-2.html

GUIDELINES FOR SUBMITTING ASSIGNMENTS

The main Sociology Department office does not deal with any course-related matters. Please speak directly to your instructor.

1. **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

2. Final grades are not posted by the Sociology Department. They are only available online.

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CONDUCT

Students, employees, and academic staff are also expected to demonstrate behaviour in class that promotes and maintains a positive and productive learning environment. As members of the University community, students, employees, and academic staff are expected to demonstrate conduct that is consistent with the University of Calgary Calendar, the Code of Conduct and Non-Academic Misconduct policy and procedures, which can be found at: http://www.ucalgary.ca/pubs/calendar/current/k.html

ACADEMIC MISCONDUCT

Academic Misconduct refers to student behavior which compromises proper assessment of a student's 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 and Procedure please visit:

https://www.ucalgary.ca/legal-services/university-policies-procedures/student-non-academic-misconduct-policy

https://www.ucalgary.ca/legal-services/university-policies-procedures/student-non-academic-misconduct-procedure

Additional information is available on the Academic Integrity Website at https://ucalgary.ca/student-services/student-success/learning/academic-integrity.

ACADEMIC ACCOMODATION

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The Student Accommodations policy is available at https://ucalgary.ca/student-services/access/prospective-students/academic-accommodations.

Students needing an accommodation based on disability or medical concerns should contact Student Accessibility Services (SAS) in accordance with the Procedure for Accommodations for Students with Disabilities (https://www.ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure). 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.

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/ .

RESEARCH ETHICS

(if applicable) Students are advised that any research with human participants – including any interviewing (even with friends and family), opinion polling, or unobtrusive observation – must have the approval of the [Conjoint Faculties Research Ethics Board](#) or the [Conjoint Health Research Ethics Board](#). 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. Some courses will include assignments that involve conducting research with human participants; in these cases, the instructor will have applied for and received ethics approval for the course assignment. The instructor will discuss the ethical requirements for the assignment with the students.

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

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

COPYRIGHT LEGISLATION

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright) 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 unauthorised 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 https://www.ucalgary.ca/pubs/calendar/current/k.html.

SEXUAL VIOLENCE POLICY

The University recognizes that all members of the University Community should be able to learn, work, teach and live in an environment where they are free from harassment, discrimination, and violence. The University of Calgary's sexual violence policy guides us in how we respond to incidents of sexual violence, including supports available to those who have experienced or witnessed sexual violence, or those who are alleged to have committed sexual violence. It provides clear response procedures and timelines, defines complex concepts, and addresses incidents that occur off-campus in certain circumstances. Please see the policy available at https://www.ucalgary.ca/legal-services/university-policies-procedures/sexual-and-gender-based-violence-policy

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/**.**

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