

SOCI 611 (Social Statistics: The General Linear Model )			
Pre/Co-Requisites	SOCI 311 and SOC 315		
Instructor Name	Dr. Josh Curtis	Lecture Location	SS 921
Email		Lecture Days/Times Lab	T 9:00 – 11:45 F 9:00 – 11:45
Office Location	SS 944		
Office Hours	Thursday 10-11 or by appt		
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 a meeting, 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 during my office hours.</p>		

### Course Description

This course covers the fundamentals of multiple regression, with a focus on the ordinary least squares (OLS) regression model. It also includes an introduction to more complex linear regression models, including models with limited dependent variables (e.g. logistic regression) and maximum likelihood estimation. Relevance for sociological research is discussed through examples drawn from the literature and the professor's own research. The course also includes a laboratory component where students will have opportunities to apply the techniques learned in class. The software Stata is used for the laboratory component of the course. This course is intended to provide students with the statistical skills to (1) successfully complete a quantitative Master's thesis, (2) understand and critique the wider sociological literature, (3) be prepared for more advanced courses (including SOC 711). At the end of this course, students should have knowledge and understanding of the way sociologists use multivariate methods to answer research questions about direct associations, moderation, and mediation, including ruling out spuriousness through observed controls. Students should also have mastery of the assumptions of the OLS regression model, as well as how to test these assumptions. Moreover, students should be aware of how to address variables that are dichotomous, in the cases of when these variables are either predictors or outcomes.

## Course Format

This course will be taught in person, synchronously.

Learning Resources – Suggested texts

- Mehmetoglu, Mehmet and Tor Georg Jakobsen. 2017. *Applied Statistics Using Stata: A Guide for the Social Sciences*. London: Sage Publications Ltd.

Methods of Assessment and Grading Weights

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

### Methods of Assessment and Grading Weights

COMPONENT	WEIGHTING	DUE DATES/DAY
Lab Assignments	40%	
Final Paper	20%	<b>Due in class December 6</b>
Mid term exam	10%	
Final Exam	30%	<b>During our final lab of Fall term</b>
Total	100%	

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

#### **Lab assignments (40%):**

Lab assignments will be assigned (roughly) on a bi-weekly basis. In total, you should expect to complete approximately 6 lab assignments throughout the course. Weekly lab demos will provide you with all theory and syntax needed to complete each of these assignments.

#### **Mid term (10% of course grade): October 18<sup>th</sup> during lab time.**

This test will take place during the our final lab period. It will consist of MCQ questions, short answer questions, and applied STATA analyses.

#### **Final Exam (30% of course grade): During our final lab of Fall term.**

This test will take place during the our final lab period. It will consist of MCQ questions, short answer questions, and applied STATA analyses.

#### **Final paper (20% of course grade): Due IN-CLASS December 6<sup>th</sup>**

Lab assignments will be assigned (roughly) on a bi-weekly basis. In total, you should expect to complete approximately 6 lab assignments throughout the course. Weekly lab demos will provide you with all theory and syntax needed to complete each of these assignments.

### Final Exam Information

In class during our final lab session of the term.

## **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 - superior performance showing comprehensive understanding of the subject matter
A-	85 – 89.99%	3.7	Very good performance
B+	80 – 84.99%	3.3	Good performance
B	75 – 79.99%	3.0	Satisfactory performance
B-	70 – 74.99%	2.7	Minimum pass for students in the Faculty of Graduate Studies
C+	67 – 69.99%	2.3	All grades of "C+" or lower are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements.

## **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](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](mailto: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 rests 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.

Student committing academic misconduct during the final exam will not receive a passing grade for the course.

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/accommodation-students-disabilities-procedure>

### **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](mailto: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](mailto:arts1@su.ucalgary.ca), [arts2@su.ucalgary.ca](mailto:arts2@su.ucalgary.ca), [arts3@su.ucalgary.ca](mailto:arts3@su.ucalgary.ca),  
[arts4@su.ucalgary.ca](mailto:arts4@su.ucalgary.ca)

Students' Union URL: [www.su.ucalgary.ca](http://www.su.ucalgary.ca)

Graduate Students' Association

Phone: 403-220-5997

Email: [askgsa@ucalgary.ca](mailto:askgsa@ucalgary.ca)

URL: [www.ucalgary.ca/gsa](http://www.ucalgary.ca/gsa)

Student Ombudsman

Phone: 403-220-6420

Email: [ombuds@ucalgary.ca](mailto: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/>.