

SOCI 315: Introductory Statistics I

The University of Calgary, Faculty of Arts, Department of Sociology
Course Outline, Winter Semester, 2015

<p>Instructor Alex Bierman, Ph.D. Office: SS 902 Phone: 403-220-6226 E-mail: aebierma@ucalgary.ca Office Hours: Tuesdays & Thursdays 11:00 am – noon Wed. by appointment</p> <hr/> <p>Teaching Assistants Alla Konnikov E-mail: akonniko@ucalgary.ca Office: SS 943 Office Hours: 10 am - 11:30 am, Mon.</p> <p>Tamara Nerlien E-mail: tnerlien@ucalgary.ca Office: SS 911 Office Hours: 1:00 pm – 2:30 pm, Mon.</p> <p>Animwaa Obeng-Akrofi E-mail: aobengak@ucalgary.ca Office: SS 919 Office Hours: 11:30 am – 1:00 pm, Mon.</p>	<p>Lecture Schedule: 9:30 am - 10:45 am Tuesdays and Thursdays AD 142</p> <p>Lab Schedule: 3:30 pm - 6:20 pm, Tuesdays Tri-Faculties Lab or AD 142</p> <p>On non-exam days, labs will typically be held in the Tri-Faculties Lab.</p> <p>Mid-terms will usually be administered during lab hours, in which case they will be in AD 142.</p> <p>Final: Registrar scheduled</p>
--	---

Required Texts

McClendon, McKee, J. 2002. *Multiple Regression and Causal Analysis*. Prospect Heights, IL: Waveland Press.

Readings based on articles available through the library website may also be assigned.

Recommended Text

Longest, Kyle C. 2014. *Using Stata for Quantitative Analysis, 2nd Edition*. Thousand Oaks, CA: Sage.

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 brief review of concepts from SOCI 311 before introducing new topics, but students for whom the current 311 curricula is unfamiliar may need to perform additional work to become sufficiently familiar with the background material.

Grading System

A+ = 95 and over	B+ = 80-84.9999	C+ = 67-71.9999	D+ = 54-58.9999
A = 90-94.9999	B = 76-79.9999	C = 63-66.9999	D = 50-53.9999
A- = 85-89.9999	B- = 72-75.9999	C- = 59-62.9999	F = 49.9999 and lower

Grade Distribution

Labs	25%
Exam 1	25%
Exam 2	20%
Final Exam (Cumulative)	30%

If an opportunity for extra credit arises, this opportunity will be given to the class as a whole. Individual opportunities for extra credit or to make up points lost due to errors on an exam will not be allowed. Consistent with departmental policy, class grades may be adjusted to keep with departmental norms.

Staying in Contact

Class announcements may occasionally 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. We are happy to meet with students, but except for cases in which we have instructed you to email something, we prefer that you contact us by email for administrative purposes only. For instance, you may email us to schedule an appointment outside of office hours. When e-mailing, please put "SOCI 315" in the subject line of your e-mail. We will make every effort to reply to your e-mails within 24 hours, but it may take up to 24 hours to respond.

Course Format

The course setup consists of two 1 hour and 15 minute class lectures per week and one three-hour lab section per week.

The purpose of the lab is to practice with your TA's assistance questions of the type that will appear on your exam. We will also examine how to use Stata to analyze data with the procedures covered in class.

Note: It is possible that concepts covered in lab may appear on exams. You should plan to attend both the lab and the lecture, and are responsible in all exams for any material presented in either lecture or lab.

Lecture notes

I will post PowerPoint slides on the course D2L for most of the class lectures, and you should print out these slides and bring them to class or have them available on an electronic device capable of note-taking. You will still need to take notes, even if you have the PowerPoint slides. There are no lecture notes besides the PowerPoint slides, so if you miss class you'll need to get the additional lecture notes from another student.

Exams

Only the final exam will be expressly cumulative, but all exams may be indirectly cumulative because they are likely to build on previous material. You will be permitted one 8 1/2 by 11 inch sheet (front and back) of notes during each exam. Exams may include a mixture of True/False, multiple choice, short answer, and calculation problems. **You can expect to be required to interpret Stata output on the exams.**

Exams will be administered during your lab periods. The class will typically have two hours to take an exam. If you arrive late for the exam, you will only have the amount of time remaining allotted for the exam. For instance, if you show up half an hour after an exam is handed out, you will have only 90 minutes to take the exam. Once you begin an exam, it is your performance during the allotted time which will be used to determine your grade. You will not be allowed to retake the exam, sections of the exam, or complete at a later date problems you may not have answered. You also will not be allowed to take alternative sections of an exam or an alternative exam and substitute or combine your performance on the exam with alternative grades. If you believe that you may have an emergency which will interfere with your performance on the exam, or you arrive late because of an emergency, you need to talk to me about it before you take the exam. Once you begin the exam, it is your performance on that exam, during the time allotted for the exam, which will determine your grade. The only exception to this policy is if you must be hospitalized while you are taking the exam.

Exam dates are February 10th for exam 1 and March 17th for exam 2. Please note that these exam dates are *tentative*, and I will confirm the dates at least a week before the respective exam. For each exam, you will be allowed one page of notes, front and back, scratch paper, a writing utensil, and a calculator. Your calculator should have exponent (square) and square root functions. Some calculators can have some unusual displays or function keys, so it's a good idea to make sure you can read your calculator output before an exam. You cannot use a calculator on your phone, laptop, or tablet.

Labs

Labs will serve two purposes. First, this will be your opportunity to attempt questions of the type you will see on the exams, but with a T.A. available to help you. In addition, you will learn and apply the Stata computer program to analyze data using statistics being covered in class. Lab assignments will be a mix of work problems and Stata exercises. The lab is designed to be finished and turned in within the time allotted for lab. However, if the lab assignment is turned in to the TAs before the beginning of the subsequent lab, no marks will be deducted for lateness. After this, 50% of the total marks possible will be deducted from the lab before any marks are deducted for errors. Please turn in your assignments to the TAs in person during lab or before class. The only exception to this policy is for labs in which exams are being administered. In this case, a lab must be turned in by the beginning of class preceding the exam to avoid a deduction in marks. This is so that we can get your lab assignments back to you before the exam, so that you can use them in studying for the exam. Because a central purpose of the labs is to prepare you for the exams, no lab assignments will be accepted after the final day of classes.

Course Notes:

1. The main Sociology Department office does not deal with any course-related matters. Please speak directly to your instructor.
2. 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-2-1.html>
3. 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 provide the instructor with a stamped, self-addressed envelope to be used for the return of the assignment."
4. Ethical Research: 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 Departmental 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.
5. Deferrals: If possible, please provide advance notice to the instructor if you are unable to write an exam or complete/turn-in assignments on time. All requests for deferral of a course component due to health reasons must be accompanied by written documentation as outlined in the University Calendar and should be obtained while the student has the health issue rather than after recovery. Deferrals will be allowed in the following circumstances: illness, domestic affliction or religious conviction. Travel arrangements and misreading of the syllabus are not valid reasons for requesting a deferral. Deferrals will not be granted if it is determined that just cause is not shown by the student. If you have missed a test for a legitimate reason, the instructor can require you to write a "make up" test as close in time to the original test as possible or can choose to transfer the percentage weight to another course component. If the instructor schedules a "make up" test for you, its date and location will be at the convenience of the Department of Sociology. Deferred Final Exam Form: Please note that requests to defer a Registrar scheduled final exam are dealt with through the Registrar's Office. Further information about deadlines, and where paperwork should be taken, is available on the form, which can be found at: http://www.ucalgary.ca/registrar/files/registrar/Sp_Su_DFE_App.pdf Deferred Term Work Form: Deferral of term work past the end of a term also requires a form to be filled out. It's available at <http://www.ucalgary.ca/registrar/files/registrar/defTW.pdf> Once an extension date has been agreed between instructor and student, the form should be taken to the Faculty of Arts Program Information Centre (SS 110) for approval by an Associate Dean (Students).
6. Student Representation: The 2014-15 Students' Union VP Academic's email is: Hana Kadri suvpaca@ucalgary.ca. The Faculty of Arts has four SU representatives who may be contacted at any of the following email addresses: arts1@ucalgary.ca, arts2@ucalgary.ca, arts3@ucalgary.ca, and arts4@ucalgary.ca. You may also wish to contact the Student Ombudsperson for help with a variety of University-related matters: <http://www.ucalgary.ca/provost/students/ombuds/role>
7. Emergency Evacuation: In the case of fire or other emergency evacuation of this classroom, please proceed to the assembly point at [*location*]. Please check these

assembly point locations for your other classes at:

<http://www.ucalgary.ca/emergencyplan/assemblypoints>

8. Safewalk: The University of Calgary provides a “safe walk” service to any location on Campus, including the LRT, parking lots, bus zones, and campus housing. For Campus Security/Safewalk call 220-5333. Campus Security can also be contacted from any of the “Help” phones located around Campus.
9. Academic Accommodation: Students who require academic accommodation, must register with Student Accessibility Services (formerly the Disability Resource Centre) at MC 452 (or phone 403-220-8237). Please provide academic accommodation letters to the instructor as early in the semester as possible and no later than two weeks after the course begins.