



DEPARTMENT OF GEOGRAPHY - COURSE OUTLINE – FALL 2017

GEOG 605

H(3-3)

Statistical Analysis: Basic & Beyond

Section	Days	Times	Location
LEC01	MoWeFri	11:00-11:50	ES 342
LAB01	Fri	14:00-16:50	ES 415

<b>Instructor:</b> Brent Else	<b>Office:</b> ES340
<b>Telephone:</b> 403-220-2484	<b>Email:</b> <a href="mailto:belse@ucalgary.ca">belse@ucalgary.ca</a>
<b>Office Hours:</b> by appointment	

<b>Teaching Assistant:</b> Kyle Plotsky	<b>Office:</b> TBA
<b>Email:</b> <a href="mailto:kyle.plotsky@ucalgary.ca">kyle.plotsky@ucalgary.ca</a>	<b>Office Hours:</b> TBA

**Please note:** *The appropriate emergency evacuation assembly point for all classes taught in Earth Sciences is ICT Food Court.*

**Official Course Description:**

*Geography 605—Statistic Analysis: Basic & Beyond* provides the student with an introduction to applied statistics, particularly as they are used in geographical analysis. Topics include sampling design, summary statistics, probability theory, inferential statistics, and multivariate analysis. Laboratory exercises provide hands-on experience in computer-based statistical analysis.

**Prerequisite:** Consent of the Department

**Required Texts:** No required text

**Recommended Text:**

-Elementary Statistics for Geographers, 3<sup>rd</sup> Ed. Burt, Barber, and Rigby (2009), The Guilford Press  
note: This text is available in the Geography readings room, and in the University Library.

**Grading (Weighting):**

*There is a final examination, to be scheduled by the Registrar's Office. It is not essential to pass all elements/components to pass the course as a whole.*

- Lab Assignments: 50% (5 assignments @ 10% each)
- Review Tests: 30% (3 tests @ 10% each)
- Research Project: 20%

*Laboratory Assignments:* There will be five lab assignments, each worth 10% of your overall grade for this course. Lab assignments will be assessed using the grading system outlined below. Assignments will be handed out at the beginning of the appropriate lab session, and are to be handed back at the beginning of the lab session specified on the assignment in the manner specified on the assignment.

*Review Tests:* There will be three review tests throughout the term, each worth 10% of your overall grade for this course. These tests will consist of a combination of multiple-choice answer, short written answers, and/or extended written answer sections.

*Personal Research Project:* The personal research project is worth 20% of your overall grade for this course. This project should be viewed as an opportunity to perform an insightful statistical analysis on a research topic chosen by each student. Students will be responsible for formulating research questions, acquiring appropriate data, and performing statistical analyses towards answering these questions. Students will be responsible for submitting a proposal outlining their proposed research plan, worth 5%, and a final research report, worth 15%.

**Late Policy:** Assignments submitted after the stated deadline will be penalized with the loss of a grade of 10% for **each day** late (including weekends). Exceptions to this policy must be discussed and confirmed with the lead instructor **in advance of the due date**. If a student fails to complete an assignment or similar set piece of work for legitimate reasons (for example: illness or domestic affliction), an alternative course of action must be discussed with the lead instructor or course assistant in a timely fashion and documentation will be required as per the University Calendar.

**Grading System:**

94-100	A+	74-78	B	60-63	C-
86-94	A	70-74	B-	55-50	D+
82-86	A-	67-70	C+	50-55	D
78-82	B+	63-67	C	0-50	F

In this course, most assignments will be assessed using a rubric. Rubrics communicate expectations for course work, and provide a framework for assessment. This approach applies to the course as a whole, and students can expect letter grades to reflect the following criteria of achievement:

Grade	Criteria
F	Student cannot display a basic understanding of course materials
D	Student displays only a basic understanding of course materials
C	Student has a modest understanding of course materials, and can apply those understandings in basic problem solving.
B	Student has a good understanding of course materials, and can make connections between various course topics to solve interconnected problems.
A	Student has an excellent understanding of course material, and can solve problems not directly discussed in lectures/readings/assignments.

### Human subjects

N/A

### USRI

At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses ([www.ucalgary.ca/usri](http://www.ucalgary.ca/usri)). Your responses make a difference - please participate in USRI Surveys.

### Writing across the Curriculum

Writing skills are not exclusive to English courses and, in fact, should cross all disciplines. The University supports the belief that throughout their University careers, students should be taught how to write well so that when they graduate their writing abilities will be far above the minimal standards required at entrance. In this course, writing will be graded on assignments and the group project. Specific criteria for assessing writing will be provided for these assignments.

### Principles of Conduct

The University of Calgary Calendar includes a statement on the Principles of conduct expected of all members of the University community (including students, faculty, administrators, any category of staff, practicum supervisors and volunteers) whether on or off the University's property. This statement applies in all situations where the members of the University community are acting in their University capacities. All Members of the University Community have a responsibility to familiarize themselves with this statement which is available at: <http://www.ucalgary.ca/pubs/calendar/current/k.html>

### Internet and electronic communication device information:

No restriction on the use of laptops and tablets in class if they are used to take notes or find information relevant to the class, and if there is *no disturbance or distraction of other students or the instructor*. Phones must be turned off during class time unless you are a health care or law enforcement professional with appropriate ID.

### Plagiarism

Academic dishonesty is not an acceptable activity at the University of Calgary and students are **strongly advised** to read the Student Misconduct section in the University Calendar. Quite often, students are unaware of what constitutes academic dishonesty or plagiarism. The most common

are 1) presenting another student's work as your own 2) presenting an author's work or ideas as your own without proper referencing and 3) using work completed for another course. This activity will not be tolerated in this course and students conducting themselves in this manner will be dealt with according to the procedures outlined in the calendar.

<http://www.ucalgary.ca/pubs/calendar/current/k-5.html>

#### **Academic Accommodations:**

Students needing an accommodation because of a Disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities. The procedure can be found at:

[ucalgary.ca/policies/files/policies/student-accommodation-policy](http://ucalgary.ca/policies/files/policies/student-accommodation-policy)

Students needing an accommodation based in relation to their coursework or to fulfil requirements for a graduate degree, on a Protected Ground other than Disability, should communicate this need, preferably in writing to their instructor or the appropriate Associate Dean or Department Head.

[ucalgary.ca/policies/files/policies/student-accommodation-policy](http://ucalgary.ca/policies/files/policies/student-accommodation-policy)

Students needing an Accommodation unrelated to their coursework or the requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Vice-Provost (Student Experience).

#### **Freedom of Information and Protection of Privacy**

*FOIP:* The Freedom of Information and Protection of Privacy (FOIP) legislation disallows the practice of having students retrieve assignments from a public place, e.g., outside instructor's office, the department office, etc. Term assignments will be returned to students individually, during class or during the instructor's 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.

#### **Contact Information for Student and Faculty Representation**

- SU VP Academic Phone: 220-3911 and e-mail: [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca)
- SU Faculty Rep. Phone: 220-3913 and e-mail: [arts1@ucalgary.ca](mailto:arts1@ucalgary.ca)
- The students ombudsman office information can be found at:  
<http://www.su.ucalgary.ca/page/affordability-accessibility/su-structure/contact-info>

#### **Re: Posting of Grades and Picking-up of Assignments**

- All assignments will be handled through D2L or personally.
- Grades will be available to each student on D2L by password access. Grades will **not** be available at Geography's main office.

#### **Campus Safewalk**

Campus Security, in partnership with the Students' Union, provides the Safewalk service, 24 hours a day, to any location on Campus including the LRT, parking lots, bus zones and University residences. Contact Campus Security at 220-5333 or use a help phone, and Safewalkers or a Campus Security officer will accompany you to your Campus destination.

### **Faculty of Arts Program Advising and Student Information Resources**

- Have a question, but not sure where to start? The new Faculty of Arts Program Information Centre (PIC) is your information resource for everything in Arts! Drop in at SS110, call us at 403-220-3580 or email us 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.
- For program planning and advice, contact the Student Success Centre (formerly the Undergraduate programs Office) at (403) 220-5881 or visit them in their new space on the 3rd Floor of the Taylor Family Digital Library.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at (403) 210-ROCK [7625] or visit them at the MacKimmie Library Block.

Contact for Students Union Representatives for the Faculty of Arts: [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)