



GEOGRAPHY FINAL COURSE OUTLINE: FALL 2013

**GEOGRAPHY 605
GFC Hours (3-3)**

Statistical Analysis: Basics & Beyond

Section	Days	Time	Location
LEC01	Fr	14:00 - 16:45	ES 319
LAB01	We	14:00 - 16:45	ES 415

Instructor: Ryan Reynolds	Office: ES 446
Telephone: 220 6200	Email: reynold@ucalgary.ca

The appropriate emergency evacuation assembly point for classes taught in Earth Sciences is ICT food court.

Official Course Description:

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 give students hands-on experience in computer-based statistical analysis

Prerequisite:

Consent of the Department

Text(s)/Readings:

Required: Burt, J. E., Barber, G. M., & Rigby, D. L. (2009) *Elementary Statistics for Geographers* (3rd ed.) (New York: The Guilford Press). Available from the bookstore.

Recommended: Northey, M., Knight, D. B., & Draper, D. (2012). *Making Sense in Geography and Environmental Sciences: a student's guide to research and writing* (5th ed.) (Oxford University Press). Available from the bookstore.

Grading (Weighting):

Component	Description	Grade Portion
Laboratory assignments	Five (5) lab assignments, each worth 10%	50%
Review tests	Three (3) review tests, each worth 10%	30%
Research project	A personal 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. In the event that a student fails a lab assignment, they will have ONE opportunity to improve their performance to attain a passing grade. 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.

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. Test preparation materials may be posted to Blackboard in advance of these tests along with details about which course topics are to be covered on each test.

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%. A detailed set of guidelines will be provided on Blackboard and in class.

Grading System:

96-100	A+	77-80	B	59-61	C-
90-95	A	71-76	B-	55-58	D+
86-89	A-	65-70	C+	50-54	D
81-85	B+	62-64	C	0-49	F

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.

For additional detailed course information posted by the Instructor see Blackboard at:
<http://blackboard.ucalgary.ca/>

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. Consistent with this belief, students are expected to do a substantial amount of writing in their University courses and, where appropriate, members of faculty can and should use writing and the grading thereof as a factor in the evaluation of student work. The services provided by the Writing Centre in the Effective Writing Office can be utilized by all undergraduate and graduate students who feel they require further assistance.

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/j-2.html>

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/honesty/plagiarism>

Student Accessibility Services Accommodations

If you are a student with a documented disability who may require academic accommodation and have not registered with Student Accessibility Services, please contact their office at 220-8237. Students who have not registered with Student Accessibility Services are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.

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.

Re: Posting of Grades and Picking-up of Assignments

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

Contact Information for Student and Faculty Representation

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

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. 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, arts2@su.ucalgary.ca, arts3@su.ucalgary.ca, arts4@su.ucalgary.ca