

DEPARTMENT OF GEOGRAPHY - UNIVERSITY OF VICTORIA
COURSE OUTLINE - GEOGRAPHY 226

INTRODUCTION TO QUANTITATIVE METHODS IN GEOGRAPHY

Fall 2017

The University of Victoria is committed to promoting, providing and protecting a positive and safe learning and working environment for all its members.

Instructor Dr. Ian J. O'Connell (ianoc@uvic.ca, DTB B322, Local 7338)

Class time Monday 9:00 - 9:50 ELL 062
Thursday 9:00 - 9:50 ELL 062

Labs You must be registered in a Lab Section.
B01 T 0830-1120 HSD A150
B02 T 1430-1720 HSD A150
B03 W 1230-1520 CLE A012
B04 F 1130-1420 CLE A105

Office Hours See CourseSpaces or *by appointment*

Course Objectives introduce methods for analyzing data;
introduce descriptive statistics;
introduce probability;
introduce sampling;
introduce inferential statistics;
introduce non-parametric statistics;
introduce correlation and simple linear regression;
introduce basic plots and charts;
gain familiarity with statistical software (R).

Learning Outcomes ability to choose appropriate statistical methods;
ability to complete hypothesis tests;
ability to use R to carry out basic statistical analyses;
ability to report and present statistical analyses.

Warning Academic integrity requires commitment to the values of honesty, trust, fairness, respect and responsibility. It is expected that students, faculty members and staff at the University of Victoria, as members of an intellectual community, will adhere to these ethical values in all activities related to learning, teaching, research and service. Any action that contravenes this standard, including misrepresentation, falsification or deception, undermines the intention and worth of scholarly work and violates the fundamental academic rights of members of our community. Students are advised to consult the university's Policy on Academic Integrity in the University Calendar (<http://web.uvic.ca/calendar2015-01/FACS/UnIn/UARe/PoAcI.html>) For more details follow this link <http://www.uvic.ca/learningandteaching/students/resources/expectations/>

Class Meetings Class will meet on a regular basis twice a week. Attendance in class is expected in order for you to understand and complete lab assignments, and to pass examinations. Attendance will be taken. *Audio or video recordings are expressly forbidden unless approved in writing (in advance) by the course instructor.*

Labs This course includes **8** graded lab assignments.

Examinations There will be two mid-terms and a final examination.

Electronic devices for use during exams are limited to non-graphing scientific calculators unless otherwise expressly permitted by the course instructor.

Course Evaluations

	Value	Dates
Lab Assignments	35%	(See below)
Midterm 1	13%	Thursday 12 th October
Midterm 2	12%	Thursday 9 th November
Final Exam	40%	Exam Period

Tentative Course Schedule (Subject to change if necessary)

Week	Dates	Lab	Due
Week 1	Sept. 6 th - Sept. 8 th	No Lab	
Week 2	Sept. 11 th - Sept. 15 th	Lab 0 Introduction to Labs (0%) Mandatory attendance	
Week 3	Sept. 18 th - Sept. 22 nd	Lab 1 Descriptive Statistics (3%)	
Week 4	Sept. 25 th - Sept. 29 th	Lab 2 Probability (4%)	Lab 1
Week 5	Oct. 2 nd - Oct. 6 th	Lab 3 Sampling (4%)	Lab 2
Week 6	Oct. 9 th - Oct. 13 th	No Lab	
Week 7	Oct. 16 th - Oct. 20 th	Lab 4 Confidence Intervals (5%)	Lab 3
Week 8	Oct. 23 rd - Oct. 27 th	Lab 5 Non- Parametric Statistics (5%)	Lab 4
Week 9	Oct. 30 th - Nov. 3 rd	Lab 6 T-Tests and ANOVA (5%)	Lab 5
Week 10	Nov. 6 th - Nov. 10 th	Lab 7 Correlation (5%)	Lab 6
Week 11	Nov. 13 th - Nov. 17 th	Reading Break	
Week 12	Nov. 20 th - Nov. 24 th	Lab 8 Regression (4%)	Lab 7
Week 13	Nov. 27 th - Nov. 30 th	Review	Lab 8

NOTE:

22nd September – Last day for adding courses that begin in the first term.

31st October – Last day for withdrawing from first term courses without penalty of failure

Readings and Course Help

I will try to make available copies of the slides etc. before the beginning of class. These copies will be placed online on CourseSpaces (Please make sure that you have a UVic NETLINK ID to access these). I may from time to time also post relevant readings on CourseSpaces – these will be examinable. The labs materials are designed to be both **supplemental** and **complementary** to the lectures. Slides are **not** designed to replace attendance in class or lab.

Textbook

There is no textbook to purchase this course. There are many resources available online – we will be discussing these in class.

Late Assignments

Lab assignments are due at the **beginning of Lab**. After **5 Minutes**, they will be deemed late. Students submitting labs late will be penalized. The initial late penalty is **25%**. For every day after that, you will lose **25%** per day. An assignment that is over a week late will not be graded. An ‘N’ grade is given when a student has missed one or more components of a course and does not reach a passing grade. **Failure to complete an assignment or exam (midterm, lab exam or final), without permission from the instructor, will result in an ‘N’ grade, which equals a Grade Point Value of 0**. Exceptions will only be granted for medical reasons (requiring a written report from a medical practitioner as soon as possible stating your inability to attend class). The written report must be submitted as soon as possible. Only the course instructor can grant exceptions.

University Grading Scale

Grade	Grade point value	Grade scale	Description
A+ A A-	9 8 7	90-100% 85-89% 80-84%	Exceptional, outstanding and excellent performance. Normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.
B+ B B-	6 5 4	77-79% 73-76% 70-72%	Very good, good and solid performance. Normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.
C+ C	3 2	65-69% 60-64%	Satisfactory, or minimally satisfactory . These grades indicate a satisfactory performance and knowledge of the subject matter.
D	1	50-59%	Marginal Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
F	0	0-49%	Unsatisfactory performance. Wrote final examination and completed course requirements; no supplemental.
N	0	0-49%	Did not write examination or complete course requirements by the end of term or session; no supplemental.

GEOGRAPHY DEPARTMENT INFO

- Geography Department website: <http://geog.uvic.ca>
- Undergraduate Advisor: Dr. Phil Wakefield – geogadvisor@uvic.ca

ADVICE

Students have in the past found that the lab assignments can be time-consuming and challenging. We are here to help with this – but please plan your time carefully. The Labs are three hours long – your TA will be present for all this time – please plan to be there for the entire lab time.

Course Experience Survey (CES)

I value your feedback on this course. Towards the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience (CES). The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. The survey is accessed via MyPage and can be done on your laptop, tablet, or mobile device. I will remind you and provide you with more detailed information nearer the time but please be thinking about this important activity during the course.

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a documented disability/health consideration that may require accommodations, please feel free to approach me and/or the Centre for Accessible Learning as soon as possible. The CAL staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations <http://www.uvic.ca/services/cal/>. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

Please note: You are under no obligation to disclose your disability.

The presented schedules, policies, procedures, and assignments in this course are subject to change.