



COURSE OUTLINE
Introduction to Quantitative Methods in Geography

Office Hours: See Brightspace, or by appointment
Office Location: DTB B204
Contact: cmrkou@uvic.ca
Class Meetings: Mondays and Thursdays 9:00 am to 9:50 am, MacLaurin Building D288

Labs: You must be registered in the Lab Section that you attend.

COURSE DESCRIPTION

In this course, you will learn some basic skills for data analysis. Topics include:

- descriptive statistics;
- probability;
- sampling;
- inferential statistics: estimations and hypothesis tests;
- correlation and simple linear regression;
- basic plots and charts;
- statistical software (R).

LEARNING OUTCOMES

1. able to choose appropriate statistical methods;
2. able to complete hypothesis tests;
3. able to use R to carry out basic statistical analysis;
4. able to report and present statistical analyses.

REQUIRED TEXT(S)

There is no required textbook for this course. Weekly readings and online learning resources will be posted on Brightspace (<https://bright.uvic.ca>) throughout the course. Please **turn on** notification for course announcements. If there are any changes in course materials, assignments, or exam dates, I will make announcements in Brightspace.

Topic handouts based on lecture presentations will be provided before the beginning of class meetings on Brightspace. Students are responsible for downloading/saving and completing notes packages.

CALCULATOR

A basic scientific calculator, (that is non-graphing, non-internet connected, non-text saving) will be needed for exams and labs.

EVALUATION

Midterm Exam 1 (Thursday, Oct 14 in class)	10%
Midterm Exam 2 (Monday, Nov 15 in class)	12%
Lab Assignments x 8	48%
Final Exam (During Exam Period)	30%

You MUST write at least ONE midterm. Otherwise, you will NOT be permitted to write the final exam and you will receive an F in this course.

You MUST also pass the exam component to pass the course. For example, if you achieve 40% in the lab component but only 20% in the exams, you will receive an F in the course.

Advice: Students have in the past found that the lab assignments can be time-consuming and challenging. We are here to help with this:

Please make sure you schedule your time effectively. The Labs are three hours. Please try and plan to be there for the entire lab time. The lab materials are designed to be both **supplemental** and **complementary** to the lectures.

Exam Format: The questions for the midterm exams and final exam will be based on lectures, labs, posted learning resources and class discussion. The final exam is comprehensive. Formats includes a combination of short-answer, calculations, and multiple-choice questions. **Electronic devices for use during exams are limited to non-graphing scientific calculators, unless otherwise expressly permitted by the course instructor.**

GRADING SYSTEM

As per the Academic Calendar:

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: uvic.ca/socialsciences/geography/
- Geography Department Chair: geogchair@uvic.ca
- Geography Undergraduate Advising: geogadvising@uvic.ca

IMPORTANT COURSE POLICIES

Cell phones and portable music players must be **turned off or silenced** during lectures and labs.

Students must complete all evaluation components to obtain credit. Failure to complete any evaluation component without permission from the instructor, will result in an 'N' grade, which equals a Grade Point Value of 0.

Students will not be permitted to write make-up tests except for medical or compassionate reasons. Please inform the instructor of your situation promptly and within **five** working days if possible. Any make-up test or examination may not follow the same format as the in-class one.

Lab assignments are due at the beginning of your lab section; thereafter late penalties will be applied.

Late assignments will be penalized **15% for each 24-hour time period** (including weekends and holidays). **Assignments that are FOUR days late will no longer be accepted for grade and will receive 0%.** Exceptions will only be granted for medical or compassionate reasons. *Only the **course instructor** can grant exceptions.*

Details regarding your labs and their marks are managed by the course Lab Instructors. Please discuss any issues or questions on labs with your Lab Instructor first. Any discrepancy with lab grades must be reported to your Lab Instructor, then the Course Instructor within **seven days** of receiving the marked assignment.

Please attend **only** the laboratory section for which you are registered. If you must miss a lab for exceptional circumstances, please make arrangements with your TA in advance to attend another section. This however does not change the due date of your lab assignment.

Conflicts with holidays or travel plans are not considered an acceptable reason to apply for a deferred examination or an assignment extension.

Unless otherwise stated students are expected to complete assignments **independently**.

Students are expected to attend all lectures, take notes and be punctual for class. Student cooperation and participation, involving asking and answering questions are welcomed.

ACADEMIC INTEGRITY

It is every student's responsibility to be aware of the university's policies on academic integrity, including policies on **cheating, plagiarism, unauthorized use of an editor, multiple submission, and aiding others to cheat.**

Policy on Academic Integrity: web.uvic.ca/calendar/undergrad/info/regulations/academic-integrity.html

If you have any questions or doubts, talk to me, your course instructor. For more information, see uvic.ca/learningandteaching/cac/index.php.

COPYRIGHT NOTICE

All course content and materials are made available by instructors for educational purposes and for the exclusive use of students registered in their class. The material is protected under copyright law, even if not marked with a ©. **Any further use or distribution of materials to others requires the written permission of the instructor, [except under fair dealing or another exception in the Copyright Act](#).** Violations may result in disciplinary action under the [Resolution of Non-Academic Misconduct Allegations policy \(AC1300\)](#).

ACCESSIBILITY

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

POSITIVITY AND SAFETY

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

SEXUALIZED VIOLENCE PREVENTION AND RESPONSE AT UVIC

UVic takes sexualized violence seriously and has raised the bar for what is considered acceptable behaviour. We encourage students to learn more about how the university defines sexualized violence and its overall approach by visiting uvic.ca/svp. If you or someone you know has been impacted by sexualized violence and needs information, advice, and/or support please contact the sexualized

violence resource office in Equity and Human Rights (EQHR). Whether or not you have been directly impacted, if you want to take part in the important prevention work taking place on campus, you can also reach out:

Where: Sexualized violence resource office in EQHR; Sedgewick C119
 Phone: 250.721.8021
 Email: svpcoordinator@uvic.ca
 Web: uvic.ca/svp

COURSE EXPERIENCE SURVEY (CES)

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 online 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.

WEEKLY CALENDAR

For other important dates, please visit here: <https://www.uvic.ca/calendar/dates/>

WEEK	DATE	Laboratory	Due
1	Sept 8 – Sept 10	No Lab	
2	Sept 13 – Sept 17	Lab 0 Introduction to Labs (0%) Mandatory attendance	
3	Sept 20 – Sept 24	Lab 1 Descriptive Statistics (6%)	
	Sept 24 (Friday)	Last day for adding courses that begin in the first term	
4	Sept 27 – Oct 1	Lab 2 Probability (6%)	Lab 1
5	Oct 4 – Oct 8	Lab 3 Sampling (6%)	Lab 2
6	Oct 11 – Oct 15	No Lab	
	Oct 14 (Thursday)	Midterm 1	
7	Oct 18 – Oct 22	Lab 4 Confidence Intervals (6%)	Lab 3
8	Oct 25 – Oct 29	Lab 5 Non-parametric Statistics (6%)	Lab 4
	Oct 31 (Sunday)	Last day for withdrawing from first term courses without penalty of failure	
9	Nov 1 – Nov 5	Lab 6 T-tests and ANOVA (6%)	Lab 5
10	Nov 8 – Nov 12	No Lab (Reading Break)	
	Nov 15 (Monday)	Midterm 2	
11	Nov 15 – Nov 19	Lab 7 Correlation (6%)	Lab 6
12	Nov 22 – Nov 26	Lab 8 Regression (6%)	Lab 7
13	Nov 29 – Dec 3	Review	Lab 8

DISCLAIMER

The above schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances.

NOTE:

A note to remind you to take care of yourself. Do your best to maintain a healthy lifestyle this semester by eating well, exercising, getting enough sleep and taking some time to relax. This will help you achieve your goals and cope with stress. All of us benefit from support during times of struggle. You are not alone.

Counselling Services - *Counselling Services can help you make the most of your university experience. They offer free professional, confidential, inclusive support to currently registered UVic students.* uvic.ca/services/counselling/

Health Services - *University Health Services (UHS) provides a full service primary health clinic for students, and coordinates healthy student and campus initiatives.* uvic.ca/services/health/

Centre for Accessible Learning - *The CAL staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations* 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.*

Elders' Voices - *The Office of Indigenous Academic and Community Engagement (IACE) has the privilege of assembling a group of Elders from local communities to guide students, staff, faculty and administration in Indigenous ways of knowing and being.* uvic.ca/services/indigenous/students/programming/elders/index.php