

	<p><i>School of Arts & Science</i> SOCIAL SCIENCES DEPARTMENT</p> <p>GEOG 216 Quantitative Methods Winter 2016</p>
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COURSE OUTLINE

1. Course Description

This course focuses on the application of statistical techniques to geographic problems. Topics include hypothesis formulation, sampling strategies, parametric and non-parametric statistical tests and statistical models. Lab exercises are computer-based.

Note: The official Approved Course Description is available on the web at <http://camosun.ca/learn/calendar/current/web/geog.html>

- *Please note: this outline will be electronically stored for five (5) years only. It is strongly recommended students keep this outline for your records.*

2. Instructor Information

(a)	Instructor:	Trisha Jarrett
(b)	Office Hours:	TBA
(c)	Location:	F340A
(d)	Phone:	370-3378
(e)	Email:	jarrett@camosun.bc.ca
(f)	Website:	http://online.camosun.ca

3. Intended Learning Outcomes

At the end of the course students will be able to:

1. Demonstrate a working knowledge of elementary statistics and elementary statistical models as applied to spatial processes.
2. Demonstrate an ability to handle spatial data through the application of a statistical computer software package.

4. Course Materials

(a)	Text	<u>Recommended:</u> Harris, R., & Jarvis, C. (2014). <i>Statistics for geography and environmental science</i> . Routledge.
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5. Course Content and Schedule

Lectures: There will be two hours of lecture per week. The lecture period will include PowerPoint slides and lecture material. Depending on the topic there may be in-class problem sessions to further expand the concepts. A scientific calculator (not cellphone) will be useful for in-class problem solving.

Course Website: Lecture notes will be available weekly from the course website on Desire2Learn (D2L). I rely on D2L for a great deal of communication throughout the course. You should be checking our course page daily to be sure you are not missing important announcements.

Labs: Lab sessions are held in the Camosun general computing lab room in the Ewing building, room E200, on Fridays. Please note that lab space in the GP labs is extremely tight and do everything you can to capitalize on our lab time together. Finding time outside of class will be difficult.

Attendance during lab periods and exams is **mandatory**. In the case of illness, the instructor must be contacted **prior** to the class time and an alternate arrangement must be made; otherwise, a mark of zero will be assigned

You will need to **bring pencil, eraser, ruler and a calculator (not cellphone)** for lab periods and for all exams.

All labs are due one week from the lab period, except where noted. Labs are due at the **beginning** of the lab period, no exceptions!! The penalty for assignments handed in late is 10% for the first 24 hours and 10% for each day after.

Teamwork is encouraged in labs. However, do not copy from each other when handing in assignments. While you may brainstorm and work together, all assignments must be written in your own words. Any students involved in copying will be given a mark of zero for that assignment.

Examinations: There are 2 exams during the term. Exams will focus on the theoretical aspects of the course, the lectures, and applied problems as presented in lab exercises.

Illness, etc.: If you miss a lab or exam due to illness or some other serious reason, I must ask you to provide a doctor's note or other documentation to support your story. Otherwise, a mark of zero for the missed assignment will be given. Exams and assignments are hard to reschedule, so try not to miss them unless you are too sick to perform at a normal level.

Students who miss an exam for a valid reason **must** contact me **within 24 hours** with an explanation. In such cases, one makeup exam time will be scheduled, and all students needing it will be expected to attend.

Course Schedule: Will be provided the first day of class.

6. Basis of Student Assessment

Evaluation will be based on accuracy, thoroughness, and neatness. As a general rule, always show your work and keep track of units of measure! When I grade your work, I am looking for proof of your understanding, so do everything clearly and carefully – that way you may get partial credit, even for wrong answers. I endeavor to mark your work fairly and consistently, but if you have a question about my assessment, feel free to come to my office and ask about it.

(a)	Labs	50%
(b)	Midterm exam	25%
(c)	Final exam	25%

7. Grading System

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D		1
0-49	F	Minimum level has not been achieved.	0

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy at camosun.ca or information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

8. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services or the College web site at camosun.ca.

STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services and on the College web site in the Policy Section.