



**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Department of Social Sciences**

**GEOG-216-001**  
**Quantitative Methods**  
**Winter 2019**

**COURSE OUTLINE**

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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.

The course description is online @ <http://camosun.ca/learn/calendar/current/web/geog.html>

Ω Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

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**1. Instructor Information**

(a)	Instructor:	Benjamin Paquette-Struger
(b)	Office Hours:	Tuesday 10:30-11:30 am
(c)	Location:	Paul 237
(d)	Phone:	TBA
(e)	Email:	benjamin.paquette.struger@gmail.com
(f)	Website:	http://online.camosun.ca

**2. Intended Learning Outcomes**

Upon completion of this course the student 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.

**3. Required Materials**

- (a) Texts: Recommended: McGrew, J.C, Lembo, A.J., and Monroe, C.B. (2014). *An Introduction to Statistical Problem Solving in Geography, Waveland.*

**4. 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. 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. Labs must be handed in as hardcopies. No emailed assignments will be accepted.

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.

Instructor Absence: In the event of instructor absence, every effort will be taken to ensure a sustained quality of instruction. I will provide as much notice as possible, but please note that this is not always possible in the case of illness. Occasionally, administrative duties might require me to be absent from class. In these cases, as much notice as possible will be given and suitable alternatives to our regular class meeting will be presented to students ahead of time (i.e. pre-recorded lectures, invited speaker, or an on-line module).

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

## 5. Basis of Student Assessment (Weighting)

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

## 6. Grading System

- Standard Grading System (GPA)
- Competency Based Grading System

## 7. Recommended Materials to Assist Students to Succeed Throughout the Course

n/a

## 8. College Supports, Services and Policies



### Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ <http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

### College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at <http://camosun.ca/>

### College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at <http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

## A. GRADING SYSTEMS <http://camosun.ca/about/policies/index.html>

The following two grading systems are used at Camosun College:

### 1. 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

### 2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.
NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.

## B. 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 <http://camosun.ca/about/policies/index.html> for 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.
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