



COURSE OUTLINE

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

Ω Please note: the College electronically stores this outline for five (5) years only.
It is **strongly recommended** you keep a copy of this outline with your academic records.
You will need this outline for any future application/s for transfer credit/s to other colleges/universities.

1. Instructor Information

(a)	Instructor:	Hilary Sandford		
(b)	Office Hours:	Monday and Wednesday, 1:20-2:20		
(c)	Location:	Paul 233		
(d)	Phone:	370-3372	Alternative Phone:	
(e)	Email:	sandford@camosun.bc.ca		
(f)	Website:			

2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

Upon completion of this course the student will be able to:

1. Identify the structure and composition of Earth's lithosphere and the related processes of deformation, accretion and erosion.
2. Describe the hydrologic cycle, specifically, surface flow patterns, discharge rates and characteristic landforms associated with water transport.
3. Interpret aerial photography and satellite imagery of Earth's landforms; utilize topographic and bathymetric maps for landform assessment; and incorporate field-based observations into geomorphological reports.

3. Required Materials

- (a) Texts Canadian Geosystems, 2nd Edition R.W. Christopherson and M. Byrne, 2009. Toronto: Person Education Canada, 709 pp. plus appendices.

*The purchase of this textbook is **RECOMMENDED** for this course.

- (b) Other : A lab manual is available for purchase from the Campus Bookstore or can be accessed online through the course D2L site.

4. Course Content and Schedule

This course is designed provide students with an introduction to two major fields of physical geography: geomorphology, or the study of the Earth's landforms and hydrology, the study of freshwater. The theory of each of these areas will be covered in the classroom and the practical skills related to these subjects will be introduced in the labs throughout the term.

Lectures: The three-hour time slot for this course will usually be evenly split between lecture and lab time. During lectures, the blackboard will be heavily utilized and overheads and images will augment the traditional lecture style. I talk a lot, I write a lot and I draw a lot; summary notes will be available on the D2L site for the course.

Labs: There are twelve labs in the course. Each lab contains exercises to familiarize students with the topics and techniques of physical geography. Small groups are encouraged during the lab period but each student must do their own individual lab or a mark of zero will be assigned to all colluders. Attendance during lab periods is mandatory. In the case of illness, I must be contacted prior to the class time and an

alternate arrangement must be made; otherwise, a mark of zero will be assigned. Assignment due dates will be determined in class. Late labs will be subjected to a 10% late penalty and won't be accepted at all once marked assignments have been handed back.

Midterm Exam: One midterm exam will be given during the term. It will be held on **Monday, October 18th** and a practice exam will be provided for preparation purposes. Attendance is mandatory and, in the case of illness, a comprehensive doctor's note is required.

Glacial Report: In the final three weeks of the course you will be asked to conduct a literature review, participate in a field trip and compile a technical report on the glacial history of southern Vancouver Island.

Final Exam: There will be a three-hour final exam during Exam Week. This exam will be comprehensive, requiring students to demonstrate knowledge of the important concepts and essential skills presented and acquired during the semester.

COURSE SCHEDULE

schedule is subject to change

<u>Week of:</u>	<u>Monday Topics</u>	<u>Wednesday Topics</u>
Sept 7	<i>Labour Day</i>	Lecture: Course Introduction
Sept 13	Lecture: The Solar System Lab 1: Latitude and Longitude	Lecture: Earth's Structure Lab 2: UTM
Sept 20	Lecture: Geologic Cycle Lab 3: Contours and Profiles	Lecture: Plate Tectonics Lab 4: Tools of the Trade
Sept 27	Lecture: Deformation Processes Lab 5: Plate Tectonics	Lecture: Earthquakes Lab 6: Earthquakes
Oct 4	Lecture: Volcanism Lab 7: Eyjafjallajokull	Lecture: Weathering and Karst
Oct 11	<i>Thanksgiving</i>	Review Class
Oct 18	MIDTERM	Lecture: Mass Wasting Lab 8: Landslides
Oct 25	Lecture: Stream Processes Lab 9: Watersheds	Lecture: Stream Landforms Lab 10: Fluvial Landforms
Nov 8	Lecture: Stream Assessment Lab 11: Stream Assessment Forms	Stream Field Trip
Nov 15	Lecture: Coastal Processes	Lecture: Coastal Landforms Lab 12: Coastal Landforms
Nov 22	Lecture: Glacial Processes Glacial Report	Glacial Field Trip Glacial Report
Nov 29	Lecture: Periglacial Processes Glacial Report	Lecture: Eolian Processes Glacial Report
Dec 6	Review Class	

5. Basis of Student Assessment (Weighting)

Midterm Exam	20%
Lab Exercises	40%
Glacial Report	10%
Final Exam	<u>30%</u>
	100%

6. Grading System

(No changes are to be made to this section unless the Approved Course Description has been forwarded through the Education Council of Camosun College for approval.)

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	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	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 E-1.5 at camosun.ca 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, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. (For these courses a final grade will be assigned to either the 3 rd course attempt or at the point of course completion.)
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.

7. 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 the College web site in the Policy Section.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED