CAMOSUN COLLEGE	**School of Arts & Science** **SOCIAL SCIENCES DEPARTMENT** **GEOG 206** **Lithosphere and Hydrosphere** **Fall, 2011**

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:	M and W: 1:30-2:30; Th: 10:30-noon		
(c)	Location:	Paul 233		
(d)	Phone:	370-3372	Alternative Phone:	
(e)	Email:	sandford@camosun.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 by R.W. Christopherson and M. Byrne is available for purchase in the bookstore and is recommended for this course.

(b) Other: A lab manual is available for purchase in the bookstore and available online on the course D2L website.

4. Course Content and Schedule

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 thirteen 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.

Exams: Three term exams will be given. The first will be held on **Wednesday, October 5th**, the second will be on **Monday, November 7th** and the third will be on **Wednesday, December 7th**. 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, take a field tour and compile a technical report on the glacial history of southern Vancouver Island.

COURSE SCHEDULE
schedule is subject to change

Week of:	Monday Topics	Wednesday Topics
Sept 6	*Labour Day*	Lecture: Course Introduction
Sept 12	Lecture: The Solar System Lab 1: Latitude and Longitude	Lecture: Earth's Structure Lab 2: UTM
Sept 19	Lecture: Geologic Cycle Lab 3: Contours and Profiles	Lecture: Plate Tectonics Lab 4: Tools of the Trade
Sept 26	Lecture: Deformation Processes Film: *Deadliest Earthquakes*	Lecture: Earthquakes Lab 5: Earthquakes
Oct 3	*Review Class*	Test #1
Oct 10	*Thanksgiving*	Lecture: Weathering and Karst
Oct 17	Lecture: Volcanism Lab 6: Eyjafjallajokull	Lecture: Mass Movement Lab 7: Landslides
Oct 24	Lecture: Avalanches Lab 8: Avalanche Paths	Lecture: Stream Processes Lab 10: Watersheds
Oct 31	Lecture: Stream Landforms Lab 11: Fluvial Landforms	Lecture: Stream Assessment Lab 12: Stream Assessment Forms
Nov 7	Test #2	Stream Field Trip
Nov 14	Lecture: Coastal Processes	Lecture: Coastal Landforms Lab 13: Coastal Landforms
Nov 21	Lecture: Glacial Processes Glacial Report	Glacial Field Tour Glacial Report
Nov 28	Lecture: Periglacial Processes Glacial Report	Lecture: Eolian Processes Glacial Report
Dec 5	Review Class	Test #3

4. Basis of Student Assessment (Weighting)

Test 1	15%
Test 2	20%
Test 3	15%
Lab Exercises	40%
Glacial Report	10%
	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	*Incomplete*: 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	*In progress*: 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 3rd course attempt or at the point of course completion.)*
CW	*Compulsory Withdrawal:* 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