

Geography 202 - Introduction to Geomorphology (AB1)

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Office hours: Tuesday 10-11, Wednesday 1-3pm, Thursday 10-11 (or by appointment)

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Geography 202 is the introductory course in geomorphology and will build on the concepts developed in Geog 102. Topics covered in the course will include the history of geomorphology, geology & geomorphology, slope processes, mass movements, glacial geomorphology, and aeolian geomorphology. Examples from British Columbia will be used wherever possible.

Required Texts:

Trenhaile AS. 2003. Geomorphology: A Canadian Perspective. 2nd edition, Oxford University Press.

Students are also required to obtain the **Geography Student Guide** which can be found online at www.ucfv.ca/geography/ (follow the links) or can be obtained in the department. Expectations, information on lab and report completion and other essential information can be found in the student manual. Students are responsible for understanding the content found in the student guide. *It is essential that students review the section on mapping found in the guide prior to Lab 1.*

Course Organization:

Classes will be held on Wednesdays from 8.30-12.50 in A413 (Abbotsford campus). Classes will include lecture material, class discussions, lab exercises and field trips. Specific details will be provided on the first day of classes.

Field Trips:

This course includes 2 field trips in the Lower Mainland (October 14th and October 28th) to complement the topics covered in lectures. These fieldtrips are mandatory for all students and will form the basis for your field trip report. Students will be responsible for part of the transportation (~\$20). On the field trip, you should be prepared for a range of weather conditions, so bring appropriate clothing. You will also need a pair of sturdy field boots, a camera and a field notebook.

Mark Distribution:

Laboratory exercises (9)	18%
Field trip report	20%
Poster presentation	12%
Mid-term examination	20%
Final examination	30%

Assignments:

There will be 9 lab assignments assigned throughout the course, each designed to enhance and apply concepts developed in class. Each lab is due at the designated day and time that will be identified at the start of each lab. The lab component is worth 18% of your final grade. You are expected to bring with you to the lab periods a calculator, ruler, metric graph paper and pencil crayons. You should also bring your textbook and lecture notes to the lab.

In addition, a field trip report (worth 20%) and a poster presentation (worth 12%) will also contribute to your final grade. Details will be provided in class. Late assignments will be penalized at 20% per day (labs 10% per day).

Examinations:

A mid term examination will be written on **25 October 2006** and will account for 20% of the final grade. Lab material may also be examined during this exam. The final examination will be administered during exam week, following the completion of formal classes.

Course Expectations:

Students are required to attend all scheduled classes and complete all assignments and exams. Missed tests cannot be made up. This rule may be altered under special, individual circumstances. **Note:** students who fail to complete all tests and assignments will receive a NC grade for the course.

Students are expected to treat the instructor, lab instructor and their peers with respect throughout the course and engage in appropriate behaviour to facilitate a constructive learning environment. No talking, cell phones, MP3 players or disruptive activities during class. Likewise the instructor will endeavour to maintain a suitable learning environment for all students in the course and treat them with respect at all times.

Plagiarism or cheating on assignments or exams will result in a grade of zero for that particular assignment or exam and any other appropriate measures according to UCFV policy.

Please see the ***Geography Student Guide*** for more information on course expectations.

Grading Scheme:

<u>LETTER GRADE</u>	<u>PERCENT EQUIVALENT</u>
A+	95-100
A	90-94
A-	85-89
B+	80-84
B	75-79
B-	70-74
C+	65-69
C	60-65
C-	55-59
P	50-59
NC	<50

Please see the ***Geography Student Guide*** for information on how grades are assigned and what they mean.

Tentative Lecture Schedule

DATE	LECTURE TOPIC	LAB TOPIC	READINGS
Week 1; 6/9	Course introduction; History of Geomorphology; Geology Review	<i>No Lab</i>	Ch. 1, 2; 1 st year notes
Week 2; 13/9	Geology Review	Lab 1 – Mapping Skills	1 st year notes; Mapping Review
Week 3; 20/9	Weathering & Hillslope Processes	Lab 2 – Data Analysis and Aerial Photos	Ch. 3
Week 4; 27/9	Mass Wasting 1 – Slope Stability Analysis	Lab 3 – Sediment Sieving	Ch. 4
Week 5; 4/10	<i>CLASS CANCELLED (in lieu of field trips)</i>		
Week 6; 11/10	Mass Wasting 2 – Types of Mass Movement	Lab 4 – Hazard Mapping	Ch. 4
<i>Saturday 14/10/06</i>	<i>FIELD TRIP 1 (Slope Hazards and Development in the Lower Mainland)</i>	<i>8.30-4.30</i>	
Week 7; 18/10	Geology & Geomorphology	Lab 5 – Mass Movements	Ch. 1/2
Week 8; 25/10	<i>MID-TERM EXAM</i>	<i>No Lab</i>	
<i>Saturday 28/10/06</i>	<i>FIELD TRIP 2 (Hazards along the Trans-Canada Corridor)</i>	<i>8.30-4.30</i>	
Week 9; 1/11	Glacial Geomorphology 1	Lab 6 – Interpreting Subsurface Geology	Ch. 1/2
Week 10; 8/11	Glacial Geomorphology 2; <i>Field report due on 8/11 at 4pm</i>	Lab 7 – Glacial Geomorphology 1	Ch. 5
Week 11; 15/11	Glacial Geomorphology 3	Lab 8 – Glacial Geomorphology 2	Ch. 6
Week 12; 22/11	Periglaciation; <i>Poster due on 22/11 at 4pm.</i>	Lab 9 - TBA	Ch. 8
Week 13; 29/11	Geomorphology of Arid Regions	<i>No Lab</i>	Ch. 14