Course Outline
Fall 2019

Course Instructor:

   Dr. Kamil Zaniewski
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Lab Instructor:

   Mr. Jason Freeburn
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Lectures: Wednesdays, Fridays 4:30 – 5:30 in AT-2015

Labs: (F2) Tuesdays 12:30 – 2:30 in RC-2003
   (F1) Fridays 2:30 – 4:30 in RC-2003

Course Description:

   This course is an introduction to geomorphology, the study of landforms and the processes that produce and alter them. Emphasis is placed on the mechanics of geomorphic processes. The relationships between landscapes and the forces responsible for their shape (endogenic processes, gravity, wind, ice, water and waves) will be discussed in lectures. Students will be expected to understand the fundamental principles of geomorphology and be able to demonstrate clear understanding of the global landscape forming processes and landforms. Students will also be expected to attend field trips and participate in any discussion initiated during lectures or labs. Laboratory work will include analysis of landforms from maps and air photos.

Course Objectives:

   On completion of this course you will be thoroughly familiar with the basic concepts and laws of geomorphology. You will be able to identify landforms and explain the processes by which they were formed. You will also learn basic practical skills (through lab work) associated with this field of science.

Textbook:

Trenhaile, A.S. Geomorphology: A Canadian Perspective. Any Edition. Don Mills, Ontario: Oxford University Press.

Lab Manual:
Geomorphology Laboratory Manual. Fall 2019.

Course Grading:

Lab Assignments	30%
Fieldtrip Attendance	5%
1st Test*	15% (Oct. 23)
2nd Test*	20% (Nov. 13)
Final Exam*	30%

*To pass the course, students are required to have at least 33 of the 65 marks allocated to the tests.

Course Policies

The following course policies are consistent with those of the Geography Department and Lakehead University.

1. Regular attendance is expected in lectures.

2. Any absence due to illness, disability, or domestic affliction should be reported to the instructor. Absence due to extracurricular activities (e.g. athletics) should be discussed with the instructor **PRIOR** to the absence. If you miss a class, it is your responsibility to obtain the notes from a classmate. I can provide you with any handouts, but will not provide you a repeat of the lecture or my lecture notes.

3. Students with special needs should talk to me at the beginning of the course and register with the Student Success Centre.

4. Tardiness is frowned upon. Be late at your own risk.

5. Assigned readings, when provided, are to be read prior to the next lecture. This will allow you to get the most out of the lectures and ask informed questions.

6. Questions may be asked **anytime** during lectures. I won't be offended.

7. No make-up exams will be given without a medical excuse backed by a medical certificate. No one will be allowed to write the tests or the final exam **prior** to the scheduled date.

8. Lab assignments are to be handed in before the specified due date. Material submitted after the deadline will be accepted but may be penalized 10% per day.

9. Lab assignments will be graded for **content, legibility, structure, spelling** and **grammar**.

10. Lab and fieldwork safety instructions will be strictly enforced. Failing to comply with the directions given by the instructor or the lab instructor may result in dismissal from the session concerned.

LAB TOPICS SCHEDULE

Date	Number	Title
Sept 10, 13	1	Basic Analytical Techniques
Sept 17, 20	2	Magnitude – Frequency Concept
Sept 24, 27	3	Cordilleran Glaciation
Oct 1, 4	4	Glacial Spillways
Oct 12		Field Trip – No labs
Oct 15, 18		FALL READING WEEK
Oct 22, 25	5	Stream Discharge/Field trip follow-up
Oct 29, Nov 1	6	Stream Networks
Nov 5, 8	7	Stream Sinuosity
Nov 12, 15	8	Mass Movements
Nov 19, 22	9	Coastal Processes

FIELD TRIP

Date	Title
Oct 12	Thunder Bay's Past and Modern Geomorphic Processes (*handout to be provided at time of trip.*)