

Geography/ENST 3317
Fluvial Geomorphology
Winter Term, 2021

Instructor: Dr. Kamil Zaniewski
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Lectures: Mondays, Wednesdays 4:00 – 5:30 by Zoom

Course Description:

The objective of the course is to introduce the topic of fluvial geomorphology. The course will provide students with an overview of the fluvial systems and their dynamics. Students will become familiar with basic concepts such as flow regime, role of sediments, channel geometry and system response to change such as flood or flow obstructions. Material will be presented to students in lectures. Although there are no labs scheduled for the course, students may be expected to complete some take-home assignments.

Course Objectives:

In order to successfully complete the course, students will be expected to demonstrate understanding of the following fluvial geomorphology concepts:

Fluvial Systems,
Flow Regimes
Sediment Sources
Channelized Flow
Fluvial Erosion
Fluvial Transportation
Fluvial Sedimentation
Channel Form
Systemic Response to Change

Textbook:

Charlton, R. 2008. Fundamentals of Fluvial Geomorphology. Routledge. 234 pp.

Course Grading:

Test #1	30 % (Feb. 8)
Test #2	30 % (Mar. 8)
Final Exam	40 %

Course Policies

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

1. Regular attendance is expected in all zoom sessions.
2. Any absence due to illness, disability, or domestic affliction should be reported to the instructor. Additional digital materials will be available on the D2L site.
3. Students with special needs should talk to me at the beginning of the course and register with the Student Success Centre.
4. Assigned readings, when provided, are to be read prior to the next session. This will allow you to get the most out of the zoom sessions and ask informed questions.
5. Questions may be asked anytime during lectures. The best way is to ask a question through the Zoom chat. You can also digitally raise your hand in Zoom. Failing those, if you feel it's important enough, just interrupt me!
6. Make-up exams will be given only with an acceptable excuse as defined by the University calendar (medical, bereavement, etc.)
7. Use of digital camera will be mandatory for the tests and the final exam.