

# GEOGRAPHY 411(001) – FALL 2019

## FIELD TECHNIQUES IN PHYSICAL GEOGRAPHY

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**Schedule:** **Class:** Monday, Wednesday and Friday, 10:30 – 11:20 am  
**Field Trips:** tentatively scheduled for September 21 & 28

**Description:** Geography 411 is designed around a series of field techniques and research in physical geography. This course will include both field and lab experience, where concepts of the use of instrumentation, the processing of field data sets and their interpretation are covered. A range of geographic topics will be discussed in relation to the Canadian landscape. The course assignments will be based on the two field trips which will introduce data collection, analysis, and critical evaluation.

### Topics:

- The nature and role of field research in physical geography
- Field observations, measurement, sampling, and mapping
- GPS applications
- Sediment analysis
- Dendrochronology and dendroclimatology
- Field research design and application

<b>Grading:</b>	Field Trips:	10%	
	Assignments (2):	20%	[October 11 & November 4]
	Midterm*:	30%	[October 23]
	Term Paper*:	30%	[November 22]
	Project Presentation*:	10%	[November 27 & 29]

\*The midterm exam, term paper and project presentation are compulsory, failure to complete will result in a grade of NP for the course.