ORIGINAL COURSE IMPLEMENTATION DATE: May 1994
REVISED COURSE IMPLEMENTATION DATE: September 2017
COURSE TO BE REVIEWED: (six years after UEC approval) November 2020
Course outline form version: 09/15/14

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: GEOG 202	**Number of Credits:** 4 Course credit policy (105)
Course Full Title: Understanding Your Earth: Landforms and Processes **Course Short Title (if title exceeds 30 characters):** Landforms and Processes	
Faculty: Faculty of Social Sciences	**Department (or program if no department):** Geography and the Environment

Calendar Description:

This course will describe and explain the geomorphic processes that result in the origin, evolution, morphology, and distribution of landforms in British Columbia and elsewhere. Practical geographic skills will be developed in field and laboratory settings.

Note: Field trips outside of class time will be required. Please refer to the department website for field trip scheduling information.

Prerequisites (or NONE):	One of the following: GEOG 102, GEOG 103, or GEOG 116.
Corequisites (if applicable, or NONE):	NONE
Pre/corequisites (if applicable, or NONE):	NONE

Equivalent Courses (cannot be taken for additional credit)
Former course code/number:
Cross-listed with:
Equivalent course(s):
Note: Equivalent course(s) should be included in the calendar description by way of a note that students with credit for the equivalent course(s) cannot take this course for further credit.

Transfer Credit
Transfer credit already exists: ☒ Yes ☐ No

Transfer credit requested (OReg to submit to BCCAT):
☐ Yes ☒ No (if yes, fill in transfer credit form)

Resubmit revised outline for articulation: ☐ Yes ☒ No

To find out how this course transfers, see **bctransferguide.ca**.

Total Hours: 90

Typical structure of instructional hours:

Lecture hours	39
Seminars/tutorials/workshops	
Laboratory hours	30
Field experience hours	21
Experiential (practicum, internship, etc.)	
Online learning activities	
Other contact hours:	
Total	**90**

Special Topics
Will the course be offered with different topics?
☐ Yes ☒ No

If yes, different lettered courses may be taken for credit:
☐ No ☐ Yes, repeat(s) ☐ Yes, no limit

Note: The specific topic will be recorded when offered.

Maximum enrolment (for information only): 25

Expected frequency of course offerings (every semester, annually, every other year, etc.): at least once per year

Department / Program Head or Director: Steven Marsh	**Date approved:**	December 2016
Faculty Council approval	**Date approved:**	January 2017
Campus-Wide Consultation (CWC)	**Date of posting:**	March 17, 2017
Dean/Associate VP: Dr. Lucy Lee	**Date approved:**	January 2017
Undergraduate Education Committee (UEC) approval	**Date of meeting:**	March 24, 2017

Learning Outcomes

Upon successful completion of this course, students will be able to:

1 Articulate the scientific theories that explain the geomorphic processes shaping the physical environment through the lens of the scientific method.
2 Reflect on traditional indigenous perspectives of the physical landscape.
3 Articulate the relationships between people and landscape from a variety of perspectives.
4 Investigate the impacts of the geomorphic processes that shape the Earth.
5 Investigate the geomorphology of a specific area through the utilization of field and/or laboratory techniques.
6 Demonstrate numerical, written and verbal competency in the field of geomorphology.
7 Use professional and respectful communication and work effectively.
8 Critically reflect upon their learning resulting from individual and group interactions, in-class discussions, field and laboratory work and related research.

Prior Learning Assessment and Recognition (PLAR)

☒ Yes ☐ No, PLAR cannot be awarded for this course because

Typical Instructional Methods (guest lecturers, presentations, online instruction, field trips, etc.; may vary at department's discretion)

Instructional methods may include lectures, laboratory sessions, assigned readings, and field trips. Self-directed learning using a problem-based learning format may also be used by some instructors.

Grading system: Letter Grades: ☒ Credit/No Credit: ☐ Labs to be scheduled independent of lecture hours: Yes ☐ No ☒

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Text(s) and Resource Materials (if more space is required, download Supplemental Texts and Resource Materials form)

	Author (surname, initials)	Title (article, book, journal, etc.)	Current ed.	Publisher	Year
1.	Trenhaile, A.S.	Geomorphology: A Canadian Perspective, 6th Edition	☒	Oxford Press	2016
2.	Catto, N	Geomorphology: Landscapes we live in.	☒	Oxford Press	2015
3.	Bierman, P.R and Montgomery, D.R	Key Concepts in Geomorphology	☒	Freeman	2014
4.			☐		
5.			☐		

Required Additional Supplies and Materials (software, hardware, tools, specialized clothing, etc.)

In addition to basic laboratory supplies, students will be responsible for costs associated with field trips.

Typical Evaluation Methods and Weighting

Final exam:	35%	Assignments:	%	Midterm exam:	25%	Practicum:	%
Quizzes/tests:	%	Lab work:	20%	Field experience:	20%	Shop work:	%
Other:	%	Other:	%	Other:	%	Total:	100%

Details (if necessary): Different evaluation methods are adopted by different faculty regularly teaching this course:

Example 1:
Final exam 35%
Mid-term exam 25%
Lab work 20%
Field experience 20%

Example 2:
Unit assessments of theory & practical skills - 60%
Poster assignment – 15%
Field journal – 10%
Reflective journal – 15%

Typical Course Content and Topics

Lecture topics may include:

1. Scientific method and traditional indigenous perspectives on the evolution of the landscape
2. Brief history of geomorphology
3. Geologic history and geomorphology of southwestern British Columbia
4. Rocks, weathering, and sedimentation
5. Mass movements – physical conditions
6. Mass movements – types
7. Glacial processes and landforms
8. Aeolian processes and landforms

9. Karst landforms
10. Structural geology
11. Fluvial geomorphology
12. Coastal geomorphology

Lab topics may include:

1. Mapping techniques
2. Statistical analysis of geomorphic data
3. Sediment analysis
4. Stratigraphy and structural geology
5. Mass movements
6. Glacial geomorphology
7. Aeolian geomorphology
8. Stream flow analysis

Field trip: Field work is an integral component of GEOG 202.