University of Victoria - Department of Geography

COURSE DESCRIPTION - Fall 2014

GEOG 376 PROCESS GEOMORPHOLOGY (CRN: 11770)

Instructor: Dr. Dan H. Shugar Office hours: T, R 1000-1100 DTB B118

<u>Lectures:</u> T 1430-1720 <u>Labs</u>: as scheduled

Objectives: This course follows GEOG 276 (s.

Prerequisites: GEOG 276

Required readings:

Schroeder, J. (Editor in Chief) et al. (2013). *Treatise on Geomorphology*. <u>Available online</u> as html or PDF via UVic Library E-book. ISBN: 978-0-12-398353-4. DOI: 10.1016/B978-0-12-374739-6.09021-7. Various sections from this leading-edge review will be assigned.

Supplemental text:

Ritter, D.F., R.C. Kochel, and J.F. Miller (2011). *Process Geomorphology* (5/e). Waveland Press (ISBN 13: 978-1-57766-669-1). A copy will be on reserve in the library AND previous editions are suitable and available.

Course webpage: httprn/TT1 1 4jBe3u3 0 3oc P3oc Pvi

GEOG376 Course policies and important notes:

1. Labs:

Lab assignments are an essential part of GEOG376. **Students are required to complete <u>all</u> assignments <u>and</u> obtain a passing grade in the lab component (labs + lab exam) to obtain credit for this course.

Labs are due 1 week after assigned unless specified otherwise.

<u>All details regarding labs & their marks are managed by your TA</u>. Please attend only the section for which you are registered.

<u>Please bring</u>: calculator, ruler, protractor, and any other supplies recommended. Software for spreadsheet analyses and graphing (e.g., MS Excel, Open Office, etc.) will also be required for some labs. Most computing labs on campus have these software.

To help reduce the environmental impact of paper consumption, please submit assignments printed on both sides of the paper.

GEOG376 PROCESS GEOMORPHOLOGY – Lecture Outline (subject to change)

Week	Date	Topic	Readings ¹	Lab
1	Sept. 9	Introduction	Treatise: 1.1,1.9, 2.1, 2.5	No labs
2	Sept. 16	FIELD TRIP ²	Field Trip Handout	No labs
		Geomorphology of Greater Victoria		
3	Sept. 23	Weathering processes & Treatise: 4.1, 4.17, 1.13, sediment properties 7.3-7.5		Lab 1: Geotechnical properties of sediments
4	Sept. 30	Slope systems & mass movement landforms	Treatise: 4.10, 7.1, 7.13-7.23	Lab 2: Mass wasting processes & landforms
5	Oct. 7	Fluvial processes & landforms	Treatise: 9.1, 9.2, 9.7, 9.8, 9.10	<u>Lab 3</u> : Fluvial processes & sediment transport
7	Oct. 14	Glacial processes & landscapes	Treatise: 8.5, 8.6-8.11	No labs
6	Oct. 21	MID-TERIM 1 I i a	l pro	cess&