

Field Geology I

Earth Sciences 206

Section: D100

Term: 2008 Fall

Instructor: Robbie Dunlop

Discussion Topics: General: This course introduces students to the local geology of southwestern B.C. and basic field methods including geologic mapping, data collection techniques and lithologic description.

Course Structure:

There will be three one-day and one two-day field-based exercises. A one-hour lecture will be held weekly on Wednesdays. The first lecture will be Wednesday, September 3rd, 2008 (TASC1 7005) at 10:30-11:20 am.

Field Exercises:

1. Saturday September 6 (9:30 am), Exercise 1 at SFU (5% of mark)
2. Saturday September 20 (9:30 am), Exercise 2 at SFU (20% of mark)
3. Saturday October 4 (8:00 am), Caufeild Cove (30% of mark).
4. October 17-19 (Leaving Friday afternoon and returning Sunday evening), Harrison Lake (40% of mark)

Grading: There will be no formal examinations. The grade will be based on text assignments done in preparation for field exercises (5%) and field reports due at the end of each field exercise (95%). This course will be complete after the final exercise.

Required Texts: Introduction to Field Geology, First Edition. Mary Lou Bevier, 2005, McGraw-Hill Ryerson, Canada. 192 p. ISBN 0-07-093109-7

Recommended Texts: Geology in the Field, R.R. Compton, 1985, John Wiley & Sons, New York. 398 p. ISBN 0-471-82902-1

NOTE: For students intending to take EASC 306, this is the textbook used.

Materials/Supplies: Field Equipment:

Some equipment will be provided (types and sources will be discussed in lectures), but the following material is strongly recommended:

geologic hammer; 10x hand lens.

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The field trips will proceed regardless of weather cond

Prerequisite/Corequisite: EASC 101 is a required prerequisite and EASC 210 is strongly recommended by the instructor as a prerequisite or corequisite course.

Notes: Costs:

Apart from the course registration fee, students should budget for lunches during Saturday field exercises, and food expenses on the weekend exercise.

"Be aware that during the field trip there will be periods of strenuous hiking, hiking close to cliffs, and crossing roads with busy traffic. Appropriate clothing and footwear should be worn. Further details regarding safety, food, housing and field supplies will be discussed prior to the field trip."

This outline is derived from a course outline repository database that was maintained by SFU Student Services and the University's IT Services Department. The database was retired in 2014 and the data migrated to SFU Archives in 2015.