

Field Geology I

Earth Sciences 206

Section: D100

Term: 2010 Fall

Instructor: Robbie Dunlop

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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. Field exercises are mandatory. A one-hour lecture will be held weekly.

Field Exercises:

1. Exercise 1 at SFU(5% of mark) - Saturday September 11
2. Exercise 2 at SFU (20% of mark) - Saturday September 25
3. Caufeild Cove (30% of mark) - Saturday October 2
4. Harrison Lake (40% of mark) - Friday -Sunday October 15-17

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 exercise(95%). This course will be complete after the final exercises.

Required Texts: "Introduction to Field Geology", First Edition. Mary Lou Bevier, 2005, McGraw-Hill Ryerson, Canada. 191 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, the same textbook will be 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.

The field trips will proceed regardless of weather

Prerequisite/Corequisite: EASC 101 is a required prerequisite and EASC 210 is a required prerequisite.

Notes: Costs: In addition to the course registration fee, students should budget for lunches during Saturday field exercises and food expenses on the extended 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."

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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.