

Field Geology II

Earth Sciences 306

Section: E100

Term: 2013 Spring

Instructor: Dr. Derek Thorkelson

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Discussion Topics: General: Field Geology II provides instruction in basic geological field methods. Students examine exposures of sedimentary, igneous and metamorphic rock and combine their observations to form geological maps, sections and diagrams. Emphasis is placed on interpretation of map patterns and geological features in terms of geological processes and environments. The field school will be held at the end of April and beginning of May for eleven days, plus two travel days. Accommodation (shared motel rooms) and transportation are covered by the supplementary course fee. Students will buy their own food and cook for themselves. A few lectures scattered through the Spring Semester will precede the field school and must be attended.

Grading: Based on five assignments with partners, plus individual assessment of each students field ability and knowledge by instructor and TA.

Required Texts: Geological Field Techniques, First Edition 2010. Angela L. Coe, Wiley Blackwell. ISBN 978-1-4443-3062-5

Recommended Texts:

Materials/Supplies: Each student should bring: outdoor clothing, day pack, hammer, hand lens, mineral identification kit, binoculars (optional) and other field gear to be identified in January.

Prerequisite/Corequisite: EASC 201, EASC 204, EASC 205, EASC 206, GEOG 213; see calendar.

Notes: Students may face hazards including but not limited to vehicular traffic, wildlife, uneven terrain, and inclement weather. Appropriate clothing and footwear should be worn. Further details regarding safety, food, housing and field supplies will be discussed in the lectures prior to the field trip. ****There will be a \$400 supplemental fee****

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