



geology

FrontiersAbroad






EARTH SCIENCE STUDY ABROAD PROGRAMMES

The Geology of New Zealand Programme (Geology) is designed specifically for Geology majors and consists of a 5-week field camp coupled with a semester study at the University of Canterbury, Christchurch, New Zealand.

Field Camp: January 9 - February 12

For 5 weeks, students will travel throughout the North and South Islands, deciphering the geologic evolution of New Zealand from a series of dedicated and linked field modules. This is a field camp experience and our goal is to provide students with a skill base of field focused techniques that will enable them to understand the fundamental causes and timescales of geologic processes. Field work is complemented by map preparation and exercises in the evenings, as well as lectures that highlight a wide variety of our staff's field and laboratory-based studies.

2010 field modules are:

-  Field Module 1: Introduction to geologic field mapping in an uplifted and deformed succession of Oligocene marine strata
-  Field Module 2: Gondwanaland to New Zealand: reconstructing the geologic architecture of the South Island
-  Field Module 3: Volcanoes & humans - giveth life and taketh away: cone construction, hazards, & geothermal resources
-  Field Module 4: The Taupo Volcanic Zone: ignimbrite mapping in the most silicically active region on Earth
-  Field Module 5: Surf and Turf: A study of a Holocene prograding dune system using ground penetrating radar, vibra-core, and total station surveying techniques

Campus Semester: February 19 - June 20

The field camp experience will transition into a semester at the University of Canterbury. Students will enroll and receive credits for 3 courses of their choosing (as approved by their home college or university) and a required fourth course that compiles and prepares a professional map and geologic history based on one of the field modules.

For more information contact:

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