Course Recommendations for Geology Program Students at the University of Auckland (Spring semester only)

Please note that information about the timing of course offerings (i.e., fall, spring, or summer sessions) are not posted on the University of Auckland Web site until early to mid-November. Note also that some of the courses are offered only alternate years. To view the most recent online course catalog go to:
https://ndeva.auckland.ac.nz/ndeva/guest/guest_frameset.asp

Boston University Earth Sciences majors should contact the Director of Undergraduate Studies, David Marchant (marchant@bu.edu), to set up a plan of study. Non-Boston University students should work with the appropriate advisor at their home institutions.

GEOLOGY 201 FC: Introduction to Field Geology. Three 1-hour lectures and two 1-hour pre-trip labs a 7-day field excursion with projects over the mid-semester break, and two 2-hour post-trip labs. Grade based on class work, lab exercises, and field projects. (Note: This course would comprise the initial 50% of a standard North American geology field camp.)

GEOLOGY 202 FC: Earth History. Three-hour lecture and one 3-hour lab per week, plus a 1-day field trip. A general historical geology course covering principles, and the 4.6 billion-year evolution of the Earth's lithosphere and biosphere. Comparable to a basic earth history course offered in U.S. universities.

GEOLOGY 205 FC: Dynamic Geology and Biota of New Zealand. This 3-hour-per-week lecture course examines faults and earthquakes in central and southern New Zealand, volcanism in the North Island, Gondwanan and New Zealand flora, the evolution of New Zealand biota, development of the New Zealand land mass, and New Zealand in the Southwest Pacific.

GEOLOGY 303 FC: Paleoenvironments and Paleoecology. Two-hour lecture and one 3-hour lab per week, plus two 1-day field trips. Covers a combination of New Zealand and global topics.

GEOLOGY 752 FC: Volcanology. Three-hour lecture and one 2-hour lab per week. Includes a field component. Has a strong local emphasis. The campus is built on a dormant volcano, and geysers are active in the central North Island. (Note: This course is taught at a level equivalent to a Boston University 500 level course.) Suitable for seniors and well-prepared juniors.

GEOLOGY XXXA FC: Special Topics. A new course that will commence in March 2003. Designed by The University of Auckland Geology Department to allow flexibility in combining modules from a number of existing courses. This course number "umbrella" will allow undergraduate students to participate in supervised research projects with faculty. Such projects will include a written paper and an oral or poster-style presentation.

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Other Options Suitable for Earth Sciences Majors:
Consult The University of Auckland's website for scheduling and course descriptions:

MARINE 701 A & B: Selected Topics
MARINE 723: Estuarine and Coastal Processes
BIOSCI 391: New Zealand Forest Ecology and Soils
ENVSCI 310: Modeling Environmental Systems
ENVSCI 726: Principles and Dynamics of Marine Reserves
ENVSCI 732: Forest Ecology and Management
ENVSCI 735: Maori Resource Management
GEOG 102: Geography and the Human Environment
GEOG 203: Earth Materials
GEOG 204: Earth Structure
GEOG 255 AC: Human Impact on the Environment
GEOG 301: Advanced Field Geology
GEOG 302: Introductory Geochemistry and Hydrogeology
GEOG 304 FC: Magmas, Metamorphism and Volcanism
GEOG 305: Tectonics & Crustal Evolution
GEOG 312 FC: Development in the Asia-Pacific Region
GEOG 320 SC: Resources and Environmental Management
GEOG 330 SC: Research Methods in Physical Geography
GEOG 331: Hydrology and Fluvial Geomorphology
GEOG 332: Topics in Physical Geography
GEOG 334: Environmental Change
GEOG 340: Introduction to Mineral Deposits
GEOG 351 SC: Coastal and Marine Geography
GEOG 361: Applied Geophysics
GEOG 372: Case Histories in Engineering Geology
GEOG 754: Sedimentary Processes
GEOG 772: Hydrogeology and Ground Water Resources
GEOG 773: Quaternary Geology