



MOUNTAINS, VOLCANOES, AND LANDSCAPES OF NEW ZEALAND (EES 3865: Field Investigations)

Guil Gualda, Earth & Environmental Sciences

SCOPE: We will study Earth and environmental processes and systems in the field, with an emphasis on field methods. The course will be held in New Zealand, where we will explore various topics, including volcanoes and their eruptions, mountain building and destruction processes, landscape evolution, natural hazards, and geothermal energy.

AUDIENCE: Do you want to be a scientist for a month? Do you enjoy the outdoors? Do you want to understand how the Earth works? Do you want to hone your observational and critical skills? Do you like to be challenged to understand new things? Would you like to explore a different country? If you answered yes to these questions, this course is for you!

PROGRAM: The course will start in Christchurch on May 11 and finish in Auckland on June 3, 2022. We will visit both the South and North Islands of New Zealand over the length of the course, and the topical focus will change accordingly:

- SOUTH ISLAND: Introduction to geology; mountain building; landscape evolution.
- NORTH ISLAND: volcanism in the Taupo Volcanic Zone; geothermal energy; field research of super eruption deposits.

EVALUATION: Course evaluation will be based on participation, field exercises (outcrop descriptions, geologic cross-sections and maps), and oral presentations.

CREDITS: 3 (This course is listed as MNS in AXLE)

REQUISITES: There are no formal pre-requisites! Students with all levels of expertise in Earth and environmental sciences are encouraged to apply.

EXPENSES: Course fee includes tuition, lodging, transportation, most meals, entrance fees to National and State Parks. It does not include airfare from Nashville to Christchurch or from Auckland to Nashville, transportation from and to airports, regular meals in major cities, incidental expenses.

CONTACT INFORMATION:
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SIGN-UP FOR MORE INFORMATION:
<https://forms.gle/DLfk0jsCTUwDvSJA>

APPLICATION, FINANCIAL SUPPORT, AND MORE:
<https://www.vanderbilt.edu/summer/summer-sessions.php>

