

## COURSE DETAIL

### GEOLOGICAL RESOURCES FOR A SUSTAINABLE NEW ZEALAND

**Country**

New Zealand

**Host Institution**

University of Otago

**Program(s)**

University of Otago

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

New Zealand Studies Earth & Space Sciences

**UCEAP Course Number**

123

**UCEAP Course Suffix****UCEAP Official Title**

GEOLOGICAL RESOURCES FOR A SUSTAINABLE NEW ZEALAND

**UCEAP Transcript Title**

GEOLOGIC RESOURC NZ

**UCEAP Quarter Units**

7.00

**UCEAP Semester Units**

4.70

## Course Description

This course examines the physical and chemical processes behind geological resources, ore deposits, hydrocarbon deposits, and geothermal energy. It examines the processes and techniques of their exploitation through exploration, mining, and extraction. The course provides a foundation for the description and interpretation of rocks associated with a broad range of ore deposits and non-metallic geological resources (e.g. geothermal, oil, and gas). Through the study of chemical and physical characteristics of key deposit types, students learn to reconstruct the processes that lead to mineralization and resource formation.

## Language(s) of Instruction

English

## Host Institution Course Number

GEOL276

## Host Institution Course Title

GEOLOGICAL RESOURCES FOR A SUSTAINABLE NEW ZEALAND

## Host Institution Campus

Otago

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Geology

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