COURSE DETAIL

VOLCANOES, HOT ROCKS AND MINERALS
Country Australia
Host Institution University of Sydney
Program(s) University of Sydney
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies
UCEAP Course Number 116
UCEAP Course Suffix
UCEAP Official Title VOLCANOES, HOT ROCKS AND MINERALS
UCEAP Transcript Title VOLCANOES&MINERALS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course relates plate tectonics to a) volcanoes and magma systems that create them; b) the formation of precious metal and gemstone ores; and c) an understanding of how Earth's materials (minerals, rocks, rock formations, lithospheric plates etc.) respond to stresses and the forces that deform them. Methods of analysis involve studies at the microscopic scale (performed on thin sections) and the mesoscopic scale performed on hand specimens and outcrops. The course includes a day field trip to study an extinct volcano. Practical work includes independent study of igneous systems, rocks and minerals employing both microscope-based techniques and computer modelling.

Language(s) of Instruction
English

Host Institution Course Number
GEOS2114

Host Institution Course Title
VOLCANOES, HOT ROCKS, AND MINERALS

Host Institution Course Details

Host Institution Campus
sydney

Host Institution Faculty

Host Institution Degree

Host Institution Department
Geoscience

Course Last Reviewed

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