



IESE

Institute of
Earth Science
and Engineering
Aotearoa



GEOTHERMAL
PROGRAM



Geothermal Geoscience

Shortcourse, 14-18 April 2009 at The University of Auckland

A comprehensive one-week course on geothermal geoscience offered by IESE. Contact olwen.morgan@auckland.ac.nz

www.iese.co.nz

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Day	Morning 1	Morning 2	Afternoon 1	Afternoon 2
	8.00 - 9.30	10.00 - 11.30	12.30 - 2.00	2.30 - 4.30
1	Geothermal resource assessment and geological setting	Heat transfer in geothermal systems	Volcanoes and volcanic rocks	Geology of the Taupo Volcanic Zone (Exercise)
2	Hydrothermal fluids	Geothermal surface features	Aqueous geothermometers I	Stratigraphic correlation of geothermal systems (Exercise)
3	Groundwater and geothermal hydrology	Hydrothermal Minerals 1	Aqueous geothermometers II	Resource assessments of geothermal systems (Exercise)
4	Hydrothermal Minerals II	Boundaries of geothermal reservoirs	Spring chemistry, aqueous geothermometers and hydrological interpretation (Exercise)	
5	Geologic mapping for resource discovery and management	Boundaries of geothermal reservoirs Volcanic Hazards	Environmental aspects	Group Presentations