



IESE
Institute of
Earth Science
and Engineering
Aotearoa



Geothermal Reservoir Engineering

Shortcourse, 20-24 April 2009 at The University of Auckland

A comprehensive one-week course on geothermal reservoir engineering offered through the Geothermal Program of 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 - 12.00	12.30 - 2.00	2.30 - 4.30
1	Worldwide geothermal development and types of geothermal systems	Geothermal power systems Power station and steam field equipment	Properties of water and steam tables	Steam tables exercise
2	Heat and mass underground, stored heat calculations	Darcy's law, mass and heat flow underground, permeability	Stored heat exercise	Darcy's law exercise
3	Geothermal drilling and measurements while drilling	Completion tests, and downhole measurements	Measurements while drilling (SFTT) exercise	Completion tests exercise
4	Scaling and corrosion in geothermal wells (SZ)	Geothermal flow measurements	Output test exercise	Vertical discharge test exercise
5	Stimulation of geothermal wells	Welltest analysis	Exercise on welltest analysis	