

SUMMER @Mānoa 2019

UNIVERSITY OF HAWAII AT MĀNOA



Hands-on Hydrogeophysical Field Experience on O'ahu:

Cutting-edge Science and Scenic Beauty

The University of Hawai'i at Mānoa Department of Earth Sciences, Hawai'i Institute of Geophysics and Planetology, and Water Resources Research Center offers **GG 699: Summer Fieldschool in Hydrogeophysics in Volcanic Environments**. This hydrogeophysical summer school program aims to identify and quantify groundwater flow and its distribution in the old stream valley at Makapu'u on the island of O'ahu.

Participants will be trained in a wide variety of multi-geophysical methods, including ambient noise seismics, nodal-based, true 3D electrical resistivity tomography, and self-potential. The course covers the entire geophysical workflow, including data acquisition planning, data collection in the field, data processing, imaging, and hydrogeological interpretations. Special emphasis is on the integration of hydrogeophysical data and hydrologic modeling — a skill that is transferable to the reservoir scale in exploration geophysics. Participants will become familiar with the challenges and solutions for data acquisition and imaging in basaltic environments.

GG 699: Summer Fieldschool in Hydrogeophysics in Volcanic Environments, CRN 92270

Varied Dates: June 2-22, 2019

Course Fee: \$226

Course info: Niels Grobbe, ngrobbe@hawaii.edu or 808-956-5857

Register Now: summer.hawaii.edu

Registration info: Alan Hunley, hunley@hawaii.edu or 808-956-3411

About the Instructor

Niels Grobbe is an Assistant Researcher (tenure-track faculty) in Hydrogeophysics and Applied Geophysics at the University of Hawai'i at Mānoa. He holds a joint position in the Hawai'i Institute of Geophysics and Planetology, School of Ocean and Earth Science and Technology, and the Water Resources Research Center.

