

2019 Tenerife International Training Course on **Volcano Monitoring**

Course Syllabus

May 23, 2019	Thursday	Instructors
09:00 - 10:00	Monitoring of volcanoes: An overview	<i>Luca D'Auria</i>
10:00 - 11:00	Dynamics of volcanic systems: Quiescence, unrest and eruption	<i>Sonia Calvari</i>
11:00 - 11:30	Coffee break	
11:30 - 12:30	Volcano Seismology: Earthquakes in volcanoes	<i>Luca D'Auria</i>
12:30 - 13:30	Volcano Gas Geochemistry: Introduction	<i>Giovanni Chiodini</i>
13:30 - 14:30	Lunch	
14:30 - 15:30	Volcano Geodesy: Introduction	<i>Luca D'Auria, Pietro Tizzani</i>
15:30 - 16:30	Volcano thermal monitoring	<i>Sonia Calvari</i>
16:30 - 17:00	Coffee break	
17:00 - 18:00	Volcano Geochemistry: Fumarole Monitoring	<i>Kenji Nogami</i>

May 24, 2019	Friday	Instructors
09:00 - 10:00	Volcano Seismology: seismological monitoring	<i>Luca D'Auria</i>
10:00 - 11:00	Workshop featuring petrographic microscope work (collaboration with ZEISS)	<i>Matthew Pankhurst</i>
11:00 - 11:30	Coffee break	
11:30 - 12:30	New techniques in petrology as applicable to volcano monitors	<i>Matthew Pankhurst</i>
12:30 - 13:30	Volcano Geodesy: Satellite interferometry	<i>Pietro Tizzani</i>
13:30 - 14:30	Lunch	
14:30 - 15:30	Infrasound monitoring of volcanoes	<i>Federico Di Paolo</i>
15:30 - 16:30	Volcano Geochemistry: Ground Water Monitoring	<i>Pedro A. Hernández</i>
16:30 - 17:00	Coffee break	
17:00 - 18:00	Volcano Geodesy: Modelling and inversion	<i>Luca D'Auria, Pietro Tizzani</i>

May 25, 2019	Saturday	Instructors
09:00 - 18:00	Field trip: Tenerife Explosive Volcanism	<i>Alexis Schwartz</i>

May 26, 2019	Sunday	Instructors
09:00 - 16:00	Field trip: Tenerife Effusive Volcanism	<i>Javier Dóniz Páez, David Calvo</i>

May 27, 2019	Monday	Instructors
09:00 - 18:00	Geochemical and geophysical Field Work	<i>Pedro A. Hernández Eleazar Padrón</i>

May 28, 2019	Tuesday	Instructors
09:00 - 10:00	Volcano Geodesy: GNSS	<i>Hazel Rymer</i>
10:00 - 11:00	Volcanic lake monitoring	<i>Manfred van Bergen</i>
11:00 - 11:30	Coffee break	
11:30 - 12:30	Volcano Seismology: seismo-volcanic events	<i>Jean Soubestre</i>
12:30 - 13:30	Geochemical indicators of magma degassing episodes	<i>Giovanni Chiodini</i>
13:30 - 14:30	Lunch	
14:30 - 15:30	Microgravimetry monitoring on volcanoes I	<i>Hazel Rymer</i>
15:30 - 16:30	Volcano monitoring exercises I	<i>Teaching team</i>
16:30 - 17:00	Coffee break	
17:00 - 18:00	Volcano monitoring exercises II	<i>Teaching Team</i>

May 29, 2019	Wednesday	Instructors
09:00 - 10:00	Volcano Geochemistry: Diffuse degassing monitoring	<i>Nemesio M. Pérez</i>
10:00 - 11:00	Volcano Geochemistry: Plume degassing monitoring	<i>Toshiya Mori</i>
11:00 - 11:30	Coffee break	
11:30 - 12:30	Microgravimetry monitoring on volcanoes II	<i>Hazel Rymer</i>
12:30 - 13:30	Geochemical monitoring of submarine volcanic activity	<i>Kenji Nogami</i>
13:30 - 14:30	Lunch	
14:30 - 15:30	Forecasting volcanic eruptions	<i>Luca D'Auria, Nemesio M. Pérez</i>
15:30 - 16:30	Volcano monitoring exercises III	<i>Teaching Team</i>
16:30 - 17:00	Coffee break	
17:00 - 18:00	Monitoring of Italian Volcanoes	<i>Sonia Calvari</i>