

# Tenerife International Training Course on Volcano Monitoring

## Course Syllabus

<b>March 22, 2018</b>	<b>Thursday</b>	
10:00 - 11:00	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 Geodesy: Introduction	<i>Luca D'Auria, Pietro Tizzani</i>
13:30 - 14:30	Lunch	
14:30 - 15:30	Volcano Geodesy: GNSS	<i>Guillermo Caravantes-González</i>
15:30 - 16:30	Volcano Geochemistry: Introduction	<i>Giovanni Chiodini</i>
16:30 - 17:00	Coffee break	
17:00 - 18:00	Volcano thermal monitoring I	<i>Sonia Calvari</i>

<b>March 23, 2018</b>	<b>Friday</b>	
09:00 - 10:00	Volcano Geochemistry: Diffuse degassing monitoring	<i>Nemesio M. Pérez</i>
10:00 - 11:00	Volcano Geodesy: Satellite interferometry	<i>Pietro Tizzani</i>
11:00 - 11:30	Coffee break	
11:30 - 12:30	Speeding up petrology - rapid measurements of ash and crystal chemistry for application to volcanic crises	<i>Matthew James Pankhurst</i>
12:30 - 13:30	Magnetic measurements for volcano monitoring	<i>Ángel Rodríguez Santana</i>
13:30 - 14:30	Lunch	
14:30 - 15:30	Volcano Geodesy: Modelling and inversion	<i>Luca D'Auria, Pietro Tizzani</i>
15:30 - 16:30	Geochemical indicators of magma degassing episodes	<i>Giovanni Chiodini</i>
16:30 - 17:00	Coffee break	
17:00 - 18:00	Volcano thermal monitoring II	<i>Sonia Calvari</i>

<b>March 24, 2018</b>	<b>Saturday</b>	
09:00 - 18:00	Field trip: Explosive activity in Tenerife	<i>Hans-Ulrich Schmincke, Alexis Schwartz</i>

<b>March 25, 2018</b>	<b>Sunday</b>	
09:00 - 18:00	Field trip: The 1706 Garachico eruption	<i>Javier Dóniz Páez, David Calvo</i>

<b>March 26, 2018</b>	<b>Monday</b>	
09:00 - 10:00	Volcano Seismology: seismological monitoring	<i>Luca D'Auria</i>
10:00 - 11:00	Volcanic lake monitoring	<i>Manfred van Bergen</i>
11:00 - 11:30	Coffee break	
11:30 - 12:30	Volcano Geochemistry: Fumarole and Plume Monitoring	<i>Pedro A. Hernández</i>
12:30 - 13:30	Acoustic imaging from underwater volcano degassing	<i>Luis Somoza</i>
13:30 - 14:30	Lunch	
14:30 - 15:30	Microgravimetry monitoring on volcanoes I	<i>Guillermo Caravantes-González</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>

<b>March 27, 2018</b>	<b>Tuesday</b>	
09:00 - 18:00	Field trip: Teide and Las Cañadas	<i>José A. Rodríguez Losada, Pedro A. Hernández, Eleazar Padrón</i>

<b>March 28, 2017</b>	<b>Wednesday</b>	
09:00 - 10:00	Volcano Geochemistry: Ground Water Monitoring	<i>Pedro A. Hernández</i>
10:00 - 11:00	Microgravimetry monitoring on volcanoes II	<i>Guillermo Caravantes-González</i>
11:00 - 11:30	Coffee break	
11:30 - 12:30	Volcano Seismology: seismo-volcanic events	<i>Jean Soubestre</i>
12:30 - 13:30	Forecasting volcanic eruptions	<i>Luca D'Auria, Nemesio M. Pérez</i>
13:30 - 14:30	Lunch	
14:30 - 15:30	Geochemical monitoring of submarine volcanic activity	<i>Kenji Nogami</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>