

General information

Attendance required

Schedule: 09:00 - 15:00 h

Places available: 25

Course length: 18 months

Credits: 90 ECTS

Language of instruction: Spanish

Approximate Fees: 26/36* €/credit

Location: Faculty of Geology

*EHEA & selected countries/non-EHEA applicants (check website)

Entry requirements

Official degree in Spain or in any higher education institution of a member state of the European Union or of a third country entitling to access Master studies

Access profile: Geology, Geological Engineering, Mining Engineering, Civil Urban Engineering, Civil Engineering, Environmental Sciences, Marine Science or Geography.



Career opportunities

Access to PhD programmes

Education

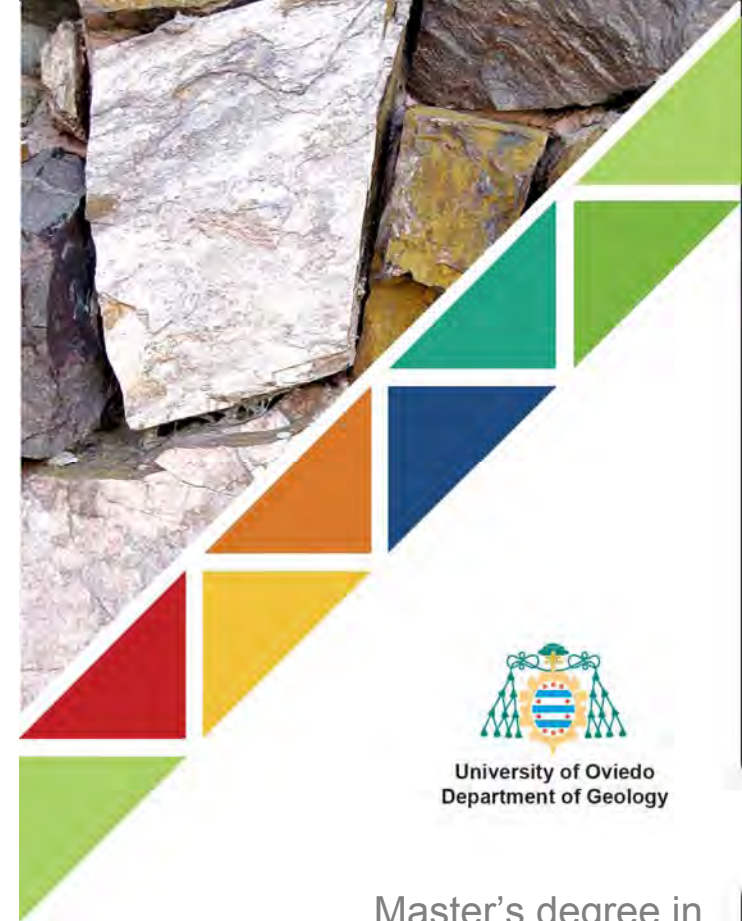
Professional fields: infrastructures, exploration and production of geological resources, environmental field, geological hazards, development cooperation, etc.

Pre-registration and registration

Pre-registration period: 1 April - 10 June 2021

Registration: 4 August - 7 September 2021

<https://cei.uniovi.es/postgrado/masteres/>



University of Oviedo
Department of Geology

Master's degree in GEOLOGICAL RESOURCES & ENGINEERING GEOLOGY

<http://geologia.uniovi.es/infoacademica/murgig>

master@geol.uniovi.es

+34 985103146

2021/2022

METHODOLOGY MODULE	⇒ Methods in Geology (9 ECTS)	<ul style="list-style-type: none"> • Multidisciplinary fieldwork • Digital Cartography and Geographic Information Systems • Quality Control, Documentation, Implementation and Legislation in Geology 	INTERNSHIP (6 ECTS)
COMPULSORY MODULE	⇒ Foundations of Geological Resources (15 ECTS)	<ul style="list-style-type: none"> • Applied Geophysics • Water Geochemistry • Modelling of Mineral Resources • Geomorphological indicators: Use and Applications • Tectonics – Sedimentation Relationships 	
	⇒ Geological Engineering (15 ECTS)	<ul style="list-style-type: none"> • Geology Applied to Civil Engineering • Geotechnology for Linear Underground Works • Geotechnology for Linear Surface Works • Soil and rock Mechanics • Geotechnology for Construction 	MASTER'S THESIS (18 ECTS)
OPTIONAL MODULES	⇒ Geological Hazards and dynamics of the relief (12 ECTS)	<ul style="list-style-type: none"> • Dynamics and Sedimentation Applied to Coastal Management • Applied Geomorphology and Soils • Seismic and Volcanic Hazards • External Geological Hazards 	
	⇒ Fossil Fuels (12 ECTS)	<ul style="list-style-type: none"> • Coal and Oil • Sedimentary and Reservoir Systems • Applied Micro-palaeontology (practical subject) • Structural Studies in Hydrocarbons Exploration 	
	⇒ Subsoil structure and Geophysics (12 ECTS)	<ul style="list-style-type: none"> • Analysis of folding • Microtectonics • Construction and Validation of Structural Interpretations • Structural discontinuities 	
	⇒ Deposit Characterization and Exploration (12 ECTS)	<ul style="list-style-type: none"> • Deposit Characterization Techniques • Geological Survey Applied to Mining • Ornamental Rocks: Durability and Conservation • Applied Petrogeny 	
	⇒ Water and Environment (12 ECTS)	<ul style="list-style-type: none"> • Deep Geological Storage and Environmental Impact Assessment • Climate Change • Applied Hydrogeology • Mineralogy and Applied Geochemistry and Environmental Mineralogy 	
			Master 90 ECTS = Methodology Mod. + Compulsory Mod. + 27 ECTS Optional Modules + Internship + Master's Thesis