

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 the website)

Entry requirements

Official degree in Spain or in any higher education institution of a member state of the European Union

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 exploitation of geological resources, the environment, geological hazards, development cooperation, etc.

Pre-registration and registration

Pre-registration period: 1 March - 5 June 2020

Special pre-registration period recommended for non-resident non-EHEA applicants: 1 March - 3 April 2020

Registration: 4 August - 4 September 2020

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

AMPHOS²¹

GEA
ASOCIACIÓN DE GEOLOGOS

EFUEPO
hunosca

5 ICTJA
INSTITUTO DE INVESTIGACIONES DE LA MINA INDUSTRIAL

Instituto Geológico
y Minero de España

AMVERSA

lundin mining

UNIVERSITÄT
DUISBURG
ESSEN

INGE

ORVANA
MINERALS CORP

AIC
ASOCIACIÓN DE INGENIEROS DE CARRERAS

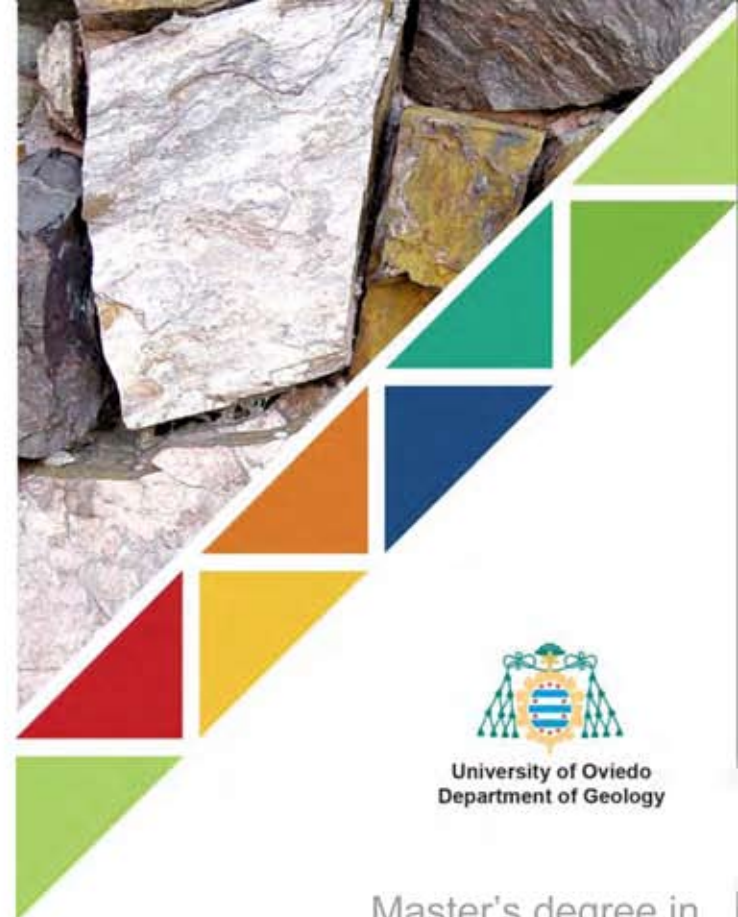
Indurot
INDUSTRIA DE MATERIAS PLÁSTICAS
DEL NOROCCIDENTE DE ESPAÑA

INCAR
CSIC

Basque University
Pirinean Abertako

Spain

REPSOL



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

2020/2021

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