

## Subjects taught in English at the ETSIME-UPM

Code	Subject's name	ECTS	Type	Semester (teaching period)	Degree	Responsible	Contact	Learning Guide (description and contents)
63000270	Exploration and evaluation of mineral deposits	4	Compulsory	Fall (Sep-Dec)	<a href="#">Master's Degree in Sustainable Mining</a>	José A. Sanchidrián	<a href="mailto:ja.sanchidrian@upm.es">ja.sanchidrian@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000270_1S_2021-22.pdf">https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000270_1S_2021-22.pdf</a>
63000271	Sustainable management of mining operations	4	Compulsory	Fall (Sep-Dec)	<a href="#">Master's Degree in Sustainable Mining</a>	José A. Sanchidrián	<a href="mailto:ja.sanchidrian@upm.es">ja.sanchidrian@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000271_1S_2021-22.pdf">https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000271_1S_2021-22.pdf</a>
63000272	Mine planning and design	4	Compulsory	Fall (Sep-Dec)	<a href="#">Master's Degree in Sustainable Mining</a>	José A. Sanchidrián	<a href="mailto:ja.sanchidrian@upm.es">ja.sanchidrian@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000272_1S_2021-22.pdf">https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000272_1S_2021-22.pdf</a>
63000273	Advanced Rock Engineering	4	Compulsory	Fall (Sep-Dec)	<a href="#">Master's Degree in Sustainable Mining</a>	José A. Sanchidrián	<a href="mailto:ja.sanchidrian@upm.es">ja.sanchidrian@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000273_1S_2021-22.pdf">https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000273_1S_2021-22.pdf</a>
63000274	Advanced explosives engineering	4	Compulsory	Fall (Sep-Dec)	<a href="#">Master's Degree in Sustainable Mining</a>	José A. Sanchidrián	<a href="mailto:ja.sanchidrian@upm.es">ja.sanchidrian@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000274_1S_2021-22.pdf">https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000274_1S_2021-22.pdf</a>
63000275	Land Management and mining	4	Compulsory	Fall (Sep-Dec)	<a href="#">Master's Degree in Sustainable Mining</a>	José A. Sanchidrián	<a href="mailto:ja.sanchidrian@upm.es">ja.sanchidrian@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000275_1S_2021-22.pdf">https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000275_1S_2021-22.pdf</a>
63000279	Seminars I	6	Optional	Fall (Sep-Dec)	<a href="#">Master's Degree in Sustainable Mining</a>	José A. Sanchidrián	<a href="mailto:ja.sanchidrian@upm.es">ja.sanchidrian@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000279_1S_2021-22.pdf">https://minasyenergia.upm.es/attachments/article/2158/GA_06AK_63000279_1S_2021-22.pdf</a>
63000252	Contaminated Site Assessment	6	Compulsory	Fall (Nov-Jan)	<a href="#">Master's Degree in Soil and Groundwater Contamination</a>	Eduardo de Miguel	<a href="mailto:eduardo.demiguel@upm.es">eduardo.demiguel@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/3800/CACTERIZACION_EMPLAZAMIENTOS_CONTAMINADOS.pdf">https://minasyenergia.upm.es/attachments/article/3800/CACTERIZACION_EMPLAZAMIENTOS_CONTAMINADOS.pdf</a>
63000254	Soil and Groundwater Geochemistry	4	Compulsory	Fall (Sep-Nov)	<a href="#">Master's Degree in Soil and Groundwater Contamination</a>	Eduardo de Miguel	<a href="mailto:eduardo.demiguel@upm.es">eduardo.demiguel@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/3800/GEQUÍMICA_SUBSUELO.pdf">https://minasyenergia.upm.es/attachments/article/3800/GEQUÍMICA_SUBSUELO.pdf</a>
63000257	Human Health Risk Assessment	4	Compulsory	Fall (Nov-Jan)	<a href="#">Master's Degree in Soil and Groundwater Contamination</a>	Eduardo de Miguel	<a href="mailto:eduardo.demiguel@upm.es">eduardo.demiguel@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/3800/ANALISIS_RIESGOS_SALUD_HUMANA.pdf">https://minasyenergia.upm.es/attachments/article/3800/ANALISIS_RIESGOS_SALUD_HUMANA.pdf</a>
63000261	Writing a scientific paper	4	Optional	Spring (Apr-Jun)	<a href="#">Master's Degree in Soil and Groundwater Contamination</a>	Eduardo de Miguel	<a href="mailto:eduardo.demiguel@upm.es">eduardo.demiguel@upm.es</a>	<a href="https://minasyenergia.upm.es/attachments/article/3800/WRITING_SCIENTIFIC_PAPER_2020_2021.pdf">https://minasyenergia.upm.es/attachments/article/3800/WRITING_SCIENTIFIC_PAPER_2020_2021.pdf</a>