

# 1st year

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Course	Hours					ECTS
	L	S	P	O	Σ	
<b>1st semester</b>	<b>210</b>	<b>25</b>	<b>200</b>	<b>15</b>	<b>450</b>	<b>30</b>
Mineral resource processing	45	0	45	0	90	6
Disposal engineering II	45	10	35	0	90	6
Surveying in geoscience	45	0	45	0	90	6
Machines and equipment in geotechnolgy	45	0	45	0	90	6
Special blasting and drilling works	30	15	30	15	90	6
<b>2nd semester</b>	<b>150</b>	<b>40</b>	<b>140</b>	<b>0</b>	<b>450</b>	<b>30</b>
Environmental engineering	60	20	40	0	120	8
Geothermal energy	45	0	45	0	90	6
Tunnel construction and risk assessment	45	20	55	0	120	8
Practical training	0	0	0	0	60	4
Optional subject	0	0	0	0	60	4
<b>TOTAL</b>	<b>360</b>	<b>65</b>	<b>340</b>	<b>15</b>	<b>900</b>	<b>60</b>

**Abbreviations used for the syllabus:**

- L – lectures
- S – seminar
- P – practice
- O – other forms of educational activities (mainly project work)
- ECTS – European Credits Transfer System (1 credit point equals a 30-hour student workload)



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