

2nd year

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Course	Hours					ECTS
	L	S	P	O	Σ	
1st semester	225	0	150	75	450	30
Geochemistry	45	0	15	0	60	4
Dissipative processes	45	0	30	15	90	6
Pedology	30	0	15	0	45	3
Igneous and metamorphic petrology	60	0	60	30	150	10
Sedimentary petrology	45	0	30	30	105	7
2nd semester	200	45	95	110	450	30
Quaternary geology	30	0	0	15	45	3
Geomorphology	15	0	15	15	45	3
Stratigraphy	50	15	20	35	120	8
Structural geology	45	0	30	30	105	7
Optional course (1, 2 or 3)	60	30	30	15	135	9
TOTAL	425	45	245	185	900	60
Optional courses	Hours					ECTS
	L	S	P	O	Σ	
Physical chemistry	45	0	0	0	45	3
Geodesy	30	0	15	0	45	3
Engineering geology for geotechnical constructions	15	15	15	0	45	3
Mathematics 2	60	0	30	0	90	6
Metamorphic petrology 2	15	15	0	15	45	3
Microfacies of carbonate and clastic sedimentary rocks	15	30	30	15	90	6
Marine geochemistry 1	30	0	0	15	45	3
Ore microscopy basics	15	0	30	0	45	3
Principles of seismology	30	0	15	0	45	3
Applied palaeontology	15	0	0	30	45	3
Petrogeochemistry	30	15	30	15	90	6
Environmental sedimentology	30	30	15	15	90	6
Volcanology	15	15	0	60	90	6
History of geology	30	15	0	0	45	3

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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