

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 |
| 4th 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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