

## Curriculum Master's program Geomaterials and Geochemistry

4. Sem	<b>P 8 Final Module (Master's Thesis and Disputation)</b>		
3. Sem	<b>P 6 Research Project</b>	<b>P 7 Rheology and Thermal Analysis of Melts</b>	<p style="text-align: center;">select modules of in total 18 ECTS</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>WP 22 Synthesis and Processing (6 ECTS)</p> <p>WP 23 Mineral Surfaces and Reactivity (6 ECTS)</p> <p>WP 24 Thermodynamical Phase Equilibria (6 ECTS)</p> <p>WP 25 Deformation and Transformation (6 ECTS)</p> <p>WP 26 Field Practical (6 ECTS)</p> <p>WP 27 Complementary Natural Sciences II (6 ECTS)</p> <p>WP 28 Advanced Materials Science (6 ECTS)</p> </div> <div style="width: 45%;"> <p>WP 29 Concepts of Biomineralization (3 ECTS)</p> <p>WP 30 Scientific Working (3 ECTS)</p> <p>WP 31 Spectroscopic Methods (3 ECTS)</p> <p>WP 32 Reflected-Light Microscopy (3 ECTS)</p> </div> </div>
2. Sem	<b>P 4 High Resolution Microscopy</b>	<b>P 5 Analytical Methods in Geochemistry</b>	<p style="text-align: center;">select modules of in total 18 ECTS</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>WP 9 Materials Science II (6 ECTS)</p> <p>WP 10 Crystal Physics (6 ECTS)</p> <p>WP 11 Petrology (6 ECTS)</p> <p>WP 12 Geochemistry II (6 ECTS)</p> <p>WP 13 Advanced Geosciences II (6 ECTS)</p> <p>WP 14 Industrial Minerals (6 ECTS)</p> <p>WP 15 Complementary Natural Science I (6 ECTS)</p> </div> <div style="width: 45%;"> <p>WP 16 Materials Science III (3 ECTS)</p> <p>WP 17 Advanced Structural Studies II (3 ECTS)</p> <p>WP 18 Volcanology II (3 ECTS)</p> <p>WP 19 Rock-Fluid-Interactions (3 ECTS)</p> <p>WP 20 Dynamic Processes in Igneous Syst. (3 ECTS)</p> <p>WP 21 Advanced Geosciences III (3 ECTS)</p> </div> </div>
1. Sem	<b>P 1 Heterogeneous Systems (GOP)</b>	<b>P 2 Petrophysics</b>	<p style="text-align: center;">select modules of in total 12 ECTS</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>WP 1 Materials Science I (6 ECTS)</p> <p>WP 2 Advanced Structural Studies I (6 ECTS)</p> <p>WP 3 Volcanology I (6 ECTS)</p> <p>WP 4 Geochemistry I (6 ECTS)</p> </div> <div style="width: 45%;"> <p>WP 5 Recent Topics in Geoscience (3 ECTS)</p> <p>WP 6 Advanced Geosciences I (3 ECTS)</p> <p>WP 7 Microthermometry (3 ECTS)</p> <p>WP 8 Selected Topics in Natural Science (3 ECTS)</p> </div> </div>

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12

18

24

Credits 30

**P = mandatory modules**

**WP = elective modules**