

<b>Module title</b>		<b>Abbreviation</b>
<b>Petrology</b>		04-Geo-PT-232-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Professorship of Geodynamics and Geomaterials Research		Institute of Geography and Geology
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
The course provides an insight into the formation and change of igneous and metamorphic rocks, which make up a significant part of the modern Earth's crust and Earth's surface. Further, the connection between the rock formation (petrogenesis) and the geodynamical processes of the planet Earth, which change constantly, will be made. This includes an introduction to modern methods in order to quantify information, which are contained in rocks, about pressure, temperature and point of time of the rock formation. Next to theoretical considerations, practical observations on thin sections of rocks under the polarisation microscope will be of great importance.		
<b>Intended learning outcomes</b>		
The students dispose over basics concerning the igneous and metamorphic Petrology.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
V (2) Module taught in: German and/or English		
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
a) written examination (approx. 45 minutes) or b) presentation (approx. 30 minutes) or c) term paper (approx. 20 pages) Language of assessment: German and/or English Assessment offered: Once a year, summer semester		
<b>Allocation of places</b>		
--		
<b>Additional information</b>		
--		
<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
--		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
--		
<b>Module appears in</b>		
Bachelor's degree (1 major) Geography (2023)		