

Agreement of objectives  
 student ID- no. : 1080 \_\_\_\_\_  
 Examination regulations according to AB 1334 (2019)

Module	CP	SWS	Semester
<b>Analytic methods in rock analysis</b>	<b>5</b>		
Methods of rock analysis		2	SS
Practicals on rock analysis		2	WS
<b>Electron beam microanalysis</b>	<b>6</b>		
Electron beam microanalysis (Lecture)		2	SS
Electron beam microanalysis (Practical exercises)		2	SS
<b>Field course in petrology</b>	<b>6</b>		
Field trip		10 days	WS
Analysis of results and preparation of report		2	WS
<b>Igneous petrology</b>	<b>10</b>		
Petrology of igneous rocks		2	WS
Thin section exercises with igneous rocks		2	WS
Numerical exercises with data from igneous rocks		2	WS
<b>Metamorphic petrology</b>	<b>12</b>		
Petrology of metamorphic rocks		2	SS
Thin section exercises with metamorphic rocks		2	SS
Numerical exercises with data from metamorphic rocks		2	SS
THERMOCALC course		1	SS
<b>Economic geology II</b>	<b>10</b>		
Metallic mineral deposits		2	WS
Non-metallic mineral deposits		1	WS
Research project on ore deposits		3	SS
<b>Thermodynamics</b>	<b>10</b>		
Principles of elementary thermodynamics		4	SS
Solution phase thermodynamics		2	SS
<b>High Temperature Geochemistry</b>	<b>10</b>		
High-temperature geochemistry – application of radiogenic and stable isotopes to high-temperature geological systems and ore deposits		5	SS
Practical – Application of mass spectrometry to radiogenic and stable isotope systems.		5	SS
<b>Strukturbestimmung</b>	<b>10</b>		
Strukturbestimmung		3	SS
Röntgenbeugung		4	WS
<b>Supplementary module</b>			
Georisiken	2	1	WS
Lecture, seminar and exercises in structural geology	4		WS
Quartärgeologie	3	2	WS
Spezielle Petrologie der Magmatite und Metamorphite	4	2	WS
<b>Materarbeit</b>	<b>30</b>		
<b>Summe</b>	<b>122</b>		

Datum, Unterschrift