Study plan MSc "Geoscience" with focus "Crystallography"					
Mandatory modules	**CP**	**Sem.**	**Weekly hours**	**Comment**	**recommended semester**
Crystal chemistry	**10**				1st and 2nd semester
Crystal chemistry		WS	2		
Structures and phase transformations		SS	2		
Gemmology		SS	2		
Crystallization	**10**				1st and 2nd semester
Mineralization in geothermal systems		WS	4		
Synthetic crystals		SS	2		
Crystal physics	**10**				1st and 2nd semester
Crystal physics		WS	2		
Physical characterization		SS	4		
Crystal structure analyses	**10**				2nd and 3rd semester
Crystal structure analyses (lecture)		SS	2		
Single crystal X-ray diffraction: practical		WS	3		
Powder X-ray diffracxtion: practical		WS	3		
Recommended modules	**CP**	**Sem.**	**Weekly hours**	**Comment**	**recommended semester**
Solid-state spectroscopy	**10**				2nd and 3rd semester
NMR-spectroscopy (FK I)		SS	2		
General Spectroscopy (FKII)		WS	2		
Lab exercises I		SS	2		
Lab exercises II		WS	2		
Thermodynamics	**6**				2nd or 4th semeste
Principles of elementary thermodynamics		SS	2		
Solution phase thermodynamics		SS	2		
MSc thesis	**30**				