

Study plan MSc "Geoscience" with focus "Hydrogeology and Environmental Geology"

Mandatory modules	CP	Sem.	Weekly hours	Comment	recommended semester
Groundwater Hydraulics	12	WS			1st semester
Groundwater hydraulics			4		
Hydraulic groundwater modeling			4		
Hydrochemistry	12	WS			1st semester
Inorganic hydrochemistry			4		
Organic hydrochemistry			4		
Hydrogeological field methods	6	SS			2nd semester; pre-requisite are the passed 1st semester
Analysis of measurement results			2		
Hydrogeological field exercises			3 days		
Environmental Sciences	6				3rd semester
Climate change and water resources		WS	3	3 day block course in February/March	
Toxic trace elements in groundwater		WS	3		
Recommended modules	CP	Sem.	Weekly hours	Comment	recommended semester
Hydrogeochemical methods I	6	WS			1st or 3rd semester
Isotope hydrochemistry (lecture)		WS	2		
Isotope hydrochemistry (exercise)		WS	2		
Hydrogeochemical methods II	9	WS			3rd semester
Environmental forensics and tracer development		WS	2		
Hydrogeochemical modelling		WS	4		
MSc thesis	30				