

Research specialization “Hydrogeology and Environmental Geology”

(July 2025)

Agreement of objectives student ID- no. : Examination regulations according to AB 1334 (2019)			
Mandatory Modules	CP (credit points/ECTS)	weekly semester hours (SWS)	Term (WS or SoSe) or comment
Hydrochemistry	12		WS (first semester)
Inorganic Hydrochemistry	Prof. Licha	4	Passed module is pre-requisite for all advanced courses
Organic hydrochemistry	Prof. Licha	4	
Groundwater hydraulics	12		WS (first semester)
Introduction to groundwater hydraulics	Dr. Heinze	4	Passed module is pre-requisite for all advanced courses
Exercises	Dr. Heinze	4	
Hydrogeological field methods	6		SS (second semester)
Analysis of measurement results	Dr. Heinze	2	passed WS courses are pre-requisite for registration
Hydrogeological field exercises	Dr. Heinze	3 days	
Environmental Sciences	6		WS (third semester)
Climate change and water resources	Dr. Hachenberg	2	Block course after 3rd semester
Toxic trace elements in groundwater	Dr. Hachenberg	2	3rd semester
Recommended modules	CP (credit points/ECTS)	weekly semester hours (SWS)	Term (WS or SoSe) or comment
Hydrogeochemical methods I	6		WS (First semester)
Isotope hydrogeochemistry (lecture)	Dr. Hachenberg	2	
Isotope hydrogeochemistry (exercise)	Dr. Hachenberg	2	
Hydrogeochemical methods II	9		WS (Third semester)
Environmental forensics and tracer development	Prof. Licha	2	
Hydrogeochemical modelling	Dr. Hachenberg	4	
MSc thesis	30		