

# Winter Semester

# Water Science and Engineering MSC

	Monday	Tuesday	Wednesday	Thursday	Friday							
08:00–09:30	<b>CC571</b> UHLMANN Numerical Algorithms	<b>AF701</b> ZEHE Water & En Cycles	<b>CC774</b> EHRET Data Analysis	<b>PA621</b> OBERLE Wat Dis Sys	<b>AF201</b> ABBT-BRAUN Fundam Wat Qual	<b>AF801</b> LIESCH Field Meth Hydrogeo						
09:45–11:15	<b>AF501</b> UHLMANN Numerical Fluid Mech I	<b>PC561</b> MOHRLOK Num GrWat Model	<b>AF701</b> ZEHE Water & En Cycles	<b>CC791</b> KÄMPF Int Infrastruc Plan	<b>PC841</b> GOLDSCHIEDER Karst-hydrogeo	<b>CC774</b> EHRET Data Analysis	<b>PA621</b> OBERLE Wat Dis Sys	<b>SM879</b> BLUM Thermal Use GW	<b>PB421</b> EIFF Env Fluid Mech	<b>PB641</b> GROMKE Flow Meas Tech	<b>CC931</b> WEIDNER Meth Rem Sens	<b>PA982</b> THIEM Environ Biotech
11:30–13:00		<b>PA321</b> FUCHS Munic WwTreat	<b>CC791</b> KÄMPF Infrastruc Plan	<b>PB651</b> OBERLE Num StrömMod	<b>CC792</b> KÄMPF Umw.komm	<b>PB521</b> UHLMANN Modeling Turb Flow	<b>PA221</b> HORN Water Tech	<b>PB661</b> SEIDEL Proj Stud WWP	<b>CC571</b> UHLMANN Numerical Algorithms	<b>PB651</b> OBERLE Num StrömMod		
14:00–15:30	<b>AF301</b> FUCHS Urb Wat M	<b>CC933</b> WURSTHORN RÖSCH Intro GIS	<b>PA221</b> HORN Water Tech	<b>PB521</b> UHLMANN Modeling Turb Flow	<b>PA321</b> FUCHS Inter Sanit Eng	<b>PB631</b> GEBHARDT Flow Hydr Struc	<b>AF501</b> UHLMANN Numerical Fluid Mech I	<b>PB421</b> EIFF Env Fluid Mech				
15:45–17:15	<b>CC933</b> WURSTHORN RÖSCH Intro GIS	<b>PC341</b> FUCHS Mod Mass Fl	<b>AF201</b> ABBT-BRAUN Fund Wat Qual	<b>PB641</b> NESTMANN Exp Hydraulics II	<b>AF301</b> FUCHS Urb Wat M		<b>AF101</b> WIENHÖFER ET AL. Mod Wat Env Sys	<b>PC986</b> WITTMANN Fluss Auen Öko				
17:30–19:00						<b>CC931</b> WEIDNER Meth Rem Sens						

BLOCK COURSES (please check online calendar, websites of institutes, or ask lecturer)			
<b>CC922</b> Microbial Diversity 3rd block period	<b>PA223</b> Practical Course in Water Technology	<b>CC772</b> Intro Matlab Week before lecture period	<b>CC931</b> Meth Rem Sens 2 <sup>nd</sup> half of semester

# Summer Semester

# Water Science and Engineering MSc

	Monday	Tuesday	Wednesday	Thursday	Friday							
08:00–09:30		<b>CC911</b> KLAR Prob Stat	<b>PA224</b> HORN Biofilm Sys	<b>CC912</b> WEIB Num Math	<b>CC925</b> ZARZALIS Mass Transfer	<b>PB653</b> OBERLE Ener WB	<b>SM961</b> BIEBERSTEIN Erddammb	<b>AF601</b> NESTMANN Des Hyd Str	<b>PB655</b> KRON Verk WB	<b>PC721</b> EHRET Mgm Wat Res	<b>CC921</b> GUTHAUSEN Instr Anal	<b>PC821</b> GÖPPERT Prep Sem
09:45–11:15	<b>PB633</b> NESTMANN Morphodyn	<b>PC561</b> MOHRLOK Grw Hyd	<b>PA222</b> HORN Membr Tech	<b>PB523</b> UHLMANN FM turb Flow	<b>AF801</b> GOLDSCHIEDER Gen + Appl Hydrogeol	<b>PB653</b> OBERLE Ener WB		<b>AF401</b> EIFF Adv FM	<b>PB655</b> KRON Verk WB	<b>PA323</b> NN Ind Wat Mgm	<b>PC721</b> EHRET Mgm Wat Res	<b>CC912</b> WEIB Num Math
11:30–13:00	<b>CC773</b> ZEHE Geostatistics	<b>PB633</b> SEIDEL Flow beh	<b>PC762</b> KÄMPF Riv Sys		<b>PB631</b> TREVISAN GW Flow Structures	<b>PB522</b> UHLMANN ParProg		<b>AF401</b> EIFF AdvFM	<b>PA323</b> NN Ind Wat Mgm	<b>CC773</b> ZEHE Geostatistics		<b>PC732</b> WIENHÖFER Hydrol Meas
14:00–15:30	<b>PA322</b> FUCHS WWSWTF	<b>PC725</b> ZEHE Trans Cont	<b>PB523</b> UHLMANN FM turb Flow	<b>SM973</b> HOSHYARIPOUR Turb Diff	<b>CC471</b> EIFF Exp Meth	<b>PB522</b> UHLMANN Num FM II	<b>PC341</b> FUCHS Mass Flx RB		<b>PC725</b> ZEHE Trans Cont		<b>AF601</b> NESTMANN Multiphase Flow	<b>PA982</b> SCHWARTZ MiBi Eng
15:45–17:15	<b>PA322</b> FUCHS WWSWTF		<b>SM973</b> HOSHYARIPOUR Turb Diff	<b>CC471</b> EIFF Exp Meth		<b>CC371</b> FUCHS Appl Ecol						
17:30–19:00												

BLOCK COURSES (please check online calendar, websites of institutes, or ask lecturer)			
<b>CC371</b> Field Training Water Quality	<b>CC935</b> Geodateninfrastrukturen und Webdienste	<b>CC921</b> Organic Trace Analysis of Aqueous Samples	
<b>PA222</b> Waste Water Disposal and Drinking Water Supply – Introduction and Excursions	<b>PC821</b> Gelände- und Laborübung	<b>PC731</b> Hydrological Measurements: 24.-29.05.2021	<b>PC841</b> Hydrogeol: Karst + Isotope

# Module Codes

<b>AF Advanced Fundamentals</b>	
AF101	Modeling of Water and Environmental Systems
AF201	Fundamentals of Water Quality
AF301	Urban Material Flows
AF401	Advanced Fluid Mechanics
AF501	Numerical Fluid Mechanics
AF601	Hydraulic Engineering
AF701	Water and Energy Cycles
AF801	Hydrogeology
<b>CC Cross Cutting Methods and Competencies</b>	
CC371	Freshwater Ecology
CC471	Experiments in Fluid Mechanics
CC571	Fundamentals of Numerical Algorithms for Engineers
CC772	Introduction to Matlab
CC773	Analysis of Spatial Data
CC774	Introduction to Environmental Data Analysis and Statistical Learning
CC791	Integrated Infrastructure Planning
CC792	Umweltkommunikation
CC911	Probability & Statistics
CC912	Numerische Mathematik
CC921	Instrumental Analysis
CC922	Mikrobielle Diversität
CC925	Mass Transfer and Reaction Kinetics
CC931	Remote Sensing & Positioning
CC933	Einführung in GIS
CC935	Geodateninfrastrukturen und Web-Dienste
CC949	Language Skills

<b>PA Profile A</b>	
PA221	Water Technology
PA222	Membrane Technologies and Excursions
PA223	Practical Course in Water Technology
PA224	Biofilm Systems
PA321	Wastewater Treatment Technologies
PA322	Wastewater and Storm Water Treatment Facilities
PA323	Industrial Water Management
PA621	Water Distribution Systems
PA982	Applied Microbiology
<b>PB Profile B</b>	
PB421	Environmental Fluid Mechanics
PB431	Technische Hydraulik
PB521	Analysis of Turbulent Flows
PB522	Advanced Computational Fluid Mechanics
PB631	Hydraulic Structures
PB633	Flow and Sediment Dynamics in Rivers
PB641	Experimental Hydraulics and Measuring Techniques
PB651	Numerische Strömungsmodellierung im Wasserbau
PB653	Energiewasserbau
PB655	Verkehrswasserbau
PB661	Projektstudium: Wasserwirtschaftliche Planungen
<b>PC Profile C</b>	
PC341	River Basin Modeling
PC561	Groundwater Management
PC721	Management of Water Resources and River Basins
PC725	Subsurface Flow and Contaminant Transport
PC732	Hydrological Measurements in Environmental Systems
PC741	Thermodynamics of Environmental Systems
PC762	Protection and Use of Riverine Systems
PC821	Hydrogeology – Field and Laboratory Methods
PC841	Hydrogeology – Karst and Isotopes