

Winter Semester

Water Science and Engineering MSC

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

BLOCK COURSES

(please check online calendar, websites of institutes, or ask lecturer)

PA223 Practical Course in Water Technology	CC931 Meth Rem Sens 2 nd half of semester	CC772 Intro Matlab	
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Summer Semester

Water Science and Engineering MSc

	Monday				Tuesday		Wednesday			Thursday		Friday	
08:00–09:30						PA224 HORN Biofilm Sys	CC912 WEIß Num Math	PB653 OBERLE Ener WB	SM961 BIEBERSTEIN Erddamm	AF601 FRANCA Des Hyd Str	PB655 KRON Verk WB	CC921 GUTHAUSEN Instr Anal	PC821 GÖPPERT Prep Sem
09:45–11:15		PB634 FRANCA River Morph	PC561 MOHRLOK Grw Hyd	PC986 DAMM Ökosymgmt	PA222 HORN Membr Tech	PB523 UHLMANN FM turb Flow	AF801 GOLDSCHIEDER Gen + Appl Hydrogeol		PB653 OBERLE Ener WB	AF401 EIFF Adv FM	PB655 KRON Verk WB	CC912 WEIß Num Math	
11:30–13:00	CC773 ZEHE Geostatistics	PB634 FRANCA Trans Riv	PC762 KÄMPF Riv Sys		CC911 KLAR Prob Stat		CC792 KÄMPF Env Comm		PB522 UHLMANN Par Prog	AF401 EIFF Adv FM	CC773 ZEHE Geostatistics		PC732 WIENHÖFER Hydrol Meas
14:00–15:30	PA322 FUCHS WWTT	PC725 ZEHE Trans Cont	PB523 UHLMANN FM turb Flow	SM973 HOSHYARIPOUR Turb Diff		PB522 UHLMANN Num FM II	CC471 EIFF Exp Meth		PC341 FUCHS Mass Flx RB		PC725 ZEHE Trans Cont	AF601 FRANCA River Eng	PA982 SCHWARTZ MiBi Eng
15:45–17:15	PA321 FUCHS WWTT	CC911 KLAR Prob Stat		SM973 HOSHYARIPOUR Turb Diff	PA226 HORN IndWWT		CC471 EIFF Exp Meth	CC371 FUCHS Appl Ecol			PC722 EHRET Design Proj WRRM		
17:30–19:00													

BLOCK COURSES (please check online calendar, webpages of institutes, or ask lecturer)			
CC371 Field Training Water Quality	CC921 Organic Trace Analysis of Aqueous Samples	CC935 Geodateninfrastrukturen und Webdienste	PA321 Seminar / excursion
PC731 Hydrological Measurements: 7.-10.06.2022	PC821 Gelände- und Laborübung	PC841 Hydrogeologie: Karst + Isotope	

Module Codes

AF Advanced Fundamentals	
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
CC Cross Cutting Methods and Competencies	
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
CC931	Remote Sensing & Positioning
CC933	Einführung in GIS
CC935	Geodateninfrastrukturen und Web-Dienste
CC949	Language Skills

PA Profile A	
PA221	Water Technology
PA222	Membrane Technologies and Excursions
PA223	Practical Course in Water Technology
PA224	Biofilm Systems
PA226	Industrial Waste Water Treatment
PA321	Wastewater Treatment Technologies
PA621	Water Distribution Systems
PA982	Applied Microbiology
PB Profile B	
PB421	Environmental Fluid Mechanics
PB431	Technische Hydraulik
PB521	Analysis of Turbulent Flows
PB522	Advanced Computational Fluid Mechanics
PB631	Hydraulic Structures
PB634	River Processes
PB641	Experimental Hydraulics and Measuring Techniques
PB651	Numerische Strömungsmodellierung im Wasserbau
PB653	Energiewasserbau
PB655	Verkehrswasserbau
PB661	Projektstudium: Wasserwirtschaftliche Planungen
PC Profile C	
PC341	River Basin Modeling
PC561	Groundwater Management
PC722	Integrated Design Project in Water Resources Management
PC725	Subsurface Flow and Contaminant Transport
PC732	Hydrological Measurements in Environmental Systems
PC762	Protection and Use of Riverine Systems
PC821	Hydrogeology – Field and Laboratory Methods
PC841	Hydrogeology – Karst and Isotopes