

Module 1: Basics Water Ecology (compulsory)				
	Name of Course	Place	Semester	Credits
M1.1	Hydroclimatology and Sustainable Water Management	UDE	1 oder 2	3
M1.2	Hydrogeology and Application	UDE	1 oder 2	4
M1.3	Water Quality Modelling Instead of: Hydraulics and Sediment Transport	UDE	1 oder 2	3
	Sum			10
Module 2: Applied Water Ecology (compulsory)				
	Name of Course	Place	Semester	Credits
M2.1	Ecology and Protection of Freshwater Ecosystems and Aquatic Organisms	UDE	1 oder 2	5
M2.2	Field Trips	UDE	1 oder 2	2
M2.3	Water-borne Diseases	UDE	1 oder 2	2
	Sum			9
Module 3: Water Engineering (compulsory)				
	Name of Course	Place	Semester	Credits
M3.1	Basics in Hydraulic Planning and Facility Design	UDE	1 oder 2	3
M3.2	Waste Water Treatment	UDE	1 oder 2	3
M3.3	Flood Management	UDE	1 oder 2	2
M3.4	Water Governance and Spatial Planning	RU	1 oder 2	3
	Sum			11
Module 4: Water Basin Management (compulsory)				
	Name of Course	Place	Semester	Credits
M4.1	River Basin Management	UDE	1 oder 2	3
M4.2	Orientation in Biology and Environmental Sciences	RU	1 oder 2	3
M4.3	Integrated Water Management	RU	1 oder 2	3
M4.4	Environmental and Ecological Modelling	RU	1 oder 2	3
M4.5	Management of Ecosystems	RU	1 oder 2	3
	Sum			15
Module 5: Sustainability / Wetland Management (compulsory)				
	Name of Course	Place	Semester	Credits
M5.1	Ecological and Environmental Concepts	RU	1 oder 2	3
M5.2	Biodiversity and Ecological Assessment	RU	1 oder 2	3
	Sum			6
Module 6: Social Environmental Sciences (compulsory)				

	Name of Course	Place	Semester	Credits
M6.1	Environmental Economics for Water Management	RU	1 oder 2	3
M6.2	Social Aspects of Water Management	RU	1 oder 2	3
M6.3	Philosophy of Water Management	RU	1 oder 2	3
	Sum			9
Total year 1			Semester	Credits
			1 und 2	60

Module 7: Project Water Management (compulsory)*

	Name of Course	Place	Semester	Credits
M7.1	Short Practical Course / Project	RU/UDE External	3	16
M7.2	Long Practical Course/Project		3	21
	Sum			16 or 21*

Module 8: Optional Courses (elective-compulsory)*

	Name of Course	Place	Semester	Credits
M8.xx	Varying Courses on Ecology, Languages, Economics, Microbiology, Modelling, Sustainable Development, Socio-economics, Water Treatment, Statistics (specified in the module handbook)	RU/UDE	3	
	From this to be selected			14 or 9*

Module 9: Master-Thesis (compulsory)

	Name of Course	Place	Semester	Credits
	Master-Thesis	RU/ UDE External	4	30
	Sum			30
Total year 2			Semester	Credits
			3 und 4	60

*Student can choose if he/she wants to take a long internship (21 credit points) or a short internship (16 credit points). Accordingly, he or she has to study 9 or 14 credits in the optional course section. Optional courses and internship credits have to sum up to 30 credit points.