

	BASIC Winter Term B1	ECTS	ECTS	ECTS	
	e-learning (including introduction week)			15	e-learning
816335	Introduction to Water and Soil	1,5		1,5	Compulsory
857321	Remote Sensing and GIS in Natural Resource Management	3			
857320	Remote Sensing and GIS in Natural Resource Management (UE)	3			
732326	Institutions and Policies of the EU (Introduction to the Law and Policies of the European Union)	3			
913311	Multiple Criteria Decisions Making in Natural Resource Management)	3			
871322	Science of Natural Mountain Disasters	4,5			
915325	Technology Assessment	1,5			
915344	Technology Assessment	3			
732346	Social Studies of Risk	3	24	13,5	Elective
Summe		25,5		30	

	WATER RESOURCES Winter Term WR3	ECTS	ECTS	ECTS	
816338	Water Resources Planning and Management	3			
811356	Water supply and wastewater treatment	3		6	Compulsory
811363	Industrial Water Management	3			
816332	Computer based River Modelling	3			
816336	Integrated Flood Risk Management	3			
815310	Fluid Mechanics and Groundwater Flow	4,5			
912314	Mountain forest climatology and headwater hydrology	4,5			
811360	Modelling in Sanitary Engineering (Sewer, Treatment Plant and Receiver)	4,5			
811362	On Site Solutions for Water Supply and Sanitation	3			
815311	Simulation in Vadose Zone Environment	3			
811334	Risk Assessment in the Aquatic Environment	3			
	Free elective lecture	3			
812312	Multi-scale Modelling of Aquatic Ecosystems	3	37,5	24	Neu
Summe		43,5		30	
	WATER RESOURCES Summer Term WR2				
816343	Environmental Risk Analysis and Management	3		3	Compulsory
816342	Possible Impacts of Climate Change on Water Resources	3			
816347	Application of GIS in Hydrology and Water Management3	3			
771304	Environmental Chemistry	4,5			
811358	Case Studies for Water Supply and Wastewater Treatment3	3			
816339	Sediment Regime and River Morphology	3			
915327	Project Management	3			
874300	Soil-bioengineering techniques	4			
871304	Hazard and Risk Assessment	4,5			
815306	Applied Soil Physics	4,5			
731328	Valuation Methods for Natural Resources	3			
	Free elective lecture	3	38,5	27	Elective
		41,5		30	

	SOIL RESOURCES & LAND USE Winter Term SRL3	ECTS	ECTS	ECTS	
815321	Soil Conservation and Soil Protection	3			
871305	Integral Risk Management	3		6	Compulsory
815310	Fluid Mechanics and Groundwater Flow	4,5			
815311	Simulation in Vadose Zone Environment	3			
815322	Soil Erosion Models and their Application	4,5			
911318	Ecology and management of the rhizosphere in ecological engineering	4,5			
912314	Mountain forest climatology and headwater hydrology	4,5			
871323	Forest hydrology and vegetation effects	3			
816336	Integrated Flood Risk Management	3			
933308	Soil fertility and soil ecology in organic farming	3			
933057	Contemporary issues in ethnopedology and ethnoclimatology: Local Knowledge of farmers about soil, weather and climate change	3			
	Free elective lecture	3	36	24	Elective
Summe		42		30	
	SOIL RESOURCES & LAND USE Summer Term SRL2				
816343	Environmental Risk Analysis and Management	3		3	Compulsory
874300	Soil-bioengineering techniques	4		4	Compulsory
911312	Rhizosphere processes and application to agriculture and soil protection	3			
911319	In-situ treatment of polluted soils and sediments: phytoremediation, in-situ fixation and attenuation techniques	4,5			
871319	Protection and mitigation measures against natural hazards	4,5			
871304	Hazard and Risk Assessment	4,5			
813359	Waste Recycling and Composting	3			
815306	Applied Soil Physics	4,5			
911320	Risk Management by Soil Protection and Remediation	1,5			
914328	Agroforestry in Mountain Regions	2			
911048	Specific methods in soil analyses	1			
911049	Specific methods in soil analyses	1			
911070	Anthropogenic soils and recultivation	2			
731328	Valuation Methods for Natural Resources	3			
911317	Soil properties and processes for ecological engineering	3			
	Free elective lecture	3	40,5	23	Elective
Summe		47,5		30	

	ECOSYSTEMS AND BIODIVERSTIY Winter Term ECO3	ECTS	ECTS	ECTS	
811334	Risk Assessment in the Aquatic Environment	3		3	Compulsory
812312	Multi-scale Modelling of Aquatic Ecosystems	3			
816332	Computer based River Modelling	3			
912317	Effects of air pollutants and nutrient deficiencies on mountain forests	3			
933057	Contemporary issues in ethnopedology and ethnoclimatology: Local Knowledge of farmers about soil, weather and climate change	1,5			
933308	Soil fertility and soil ecology in organic farming	3			
912314	Mountain forest climatology and headwater hydrology	4,5			
911318	Ecology and management of the rhizosphere in ecological engineering	4,5			
871323	Forest hydrology and vegetation effects	3			
815321	Soil Conservation and Soil Protection	3			
	Free elective lecture	3	31,5	27	Elective
Summe		34,5		30	

	ECOSYSTEMS AND BIODIVERSTIY Summer Term ECO2				
731328	Valuation Methods for Natural Resources	3			
812330	Selected Topics of aquatic ecology and river management	3		6	Compulsory
914305	Modelling of mountain forest ecosystems	3,5			
912315	Biodiversity and conservation of mountain forests	3			
912321	Comparison of Mountain (Forest/non-)Ecosystems and Ecoregions	3			
771304	Environmental Chemistry	4,5			
874300	Soil-bioengineering techniques	4			
911312	Rhizosphere processes and application to agriculture and soil protection	3			
816340	Ecologically Oriented Methods and Monitoring for Civil Engineering	3			
911070	Anthropogenic soils and recultivation	2			
914328	Agroforestry in Mountain Regions	2			
	Free elective lecture	3	31	24	Elective
Summe		37		30	

	Climate Change Winter Term CC1	ECTS	ECTS	ECTS
814301	Meteorological Conditions and Precipitation	3		3
814010	Foresights- Wohin entwickelt sich die Welt	2		
811334	Risk Assessment in the Aquatic Environment	3		
871305	Integral Risk Management	3		
912314	Mountain forest climatology and headwater hydrology	4,5		
915344	Technology Assessment	3		
871323	Forest hydrology and vegetation effects	3		
815321	Soil Conservation and Soil Protection	3		
871332	Disaster management	2		
871301	Introduction to modelling and simulation models	3		
	Climate change and forest management: Impacts, adaptation, mitigation			
732333	Innovations for Sustainable Forest Management	3		
871321	Forecasting and warning systems	3		
835320	Statistics of extreme events and geostatistics	3		
	Free elective lecture	3	38,5	27
Summe		41,5		30

	Climate Change Summer Term CC2			
816342	Possible Impacts of Climate Change on Water Resources	3		3
871319	Protection and mitigation measures against natural hazards	4,5		
814010	Foresights- Wohin entwickelt sich die Welt	2		
816343	Environmental Risk Analysis and Management	3		
871304	Hazard and Risk Assessment	4,5		
731333	Globalisation and Rural Development (Sociology of Sustainable Agriculture)	3		
731328	Valuation Methods for Natural Resources	3		
912321	Comparison of Mountain (Forest/non-) Ecosystems and Ecoregions	3		
816340	Ecologically Oriented Methods and Monitoring for Civil Engineering	3		
LIFE e-learning	Climate Change Impacts, Adaptation and Mitigation	15		
	Free elective lecture	3	44	27
		47		30

Compulsory

Compulsory

Elective