

Study programme: **Land and Water Management**

Type of study: **master's degree programme**

Study form: **full time form of study**

Guarantor: **doc. Ing. Petr Máca, Ph.D.**

St. year: 1		2020/2021													
Code	Compulsory subjects	1st Semester winter						2nd Semester summer						Guarantee	
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex		
ZVX141E	Applied Atmospheric Sciences	2	-	-	5	cr	ex								doc. Kyselý
ZVX139E	Earth System Sciences	2	1	-	5	cr	ex								Ing. Mgr. Markonís, Ph.D.
ZVX140E	Environmental Data	2	2	-	5	cr	ex								prof. Hanel
ZVX128E	Environmental Hydrology	2	2	-	6	cr	ex								doc. Máca
ZOX110E	Environmental Soil Chemistry	2	2	-	6	cr	ex								prof. Komárek
ZGX122E	GIS I (Taugh in English)	2	2	-	5	cr	ex								Ing. Moudrý, Ph.D.
ZVX136E	Random Processes	2	2	-	5	cr	ex								doc. Lachout
ZGX124E	GIS II (Taugh in English)							2	2	-	5	cr	-		Ing. Moudrý, Ph.D.
ZVX130E	Groundwater Hydraulics							2	1	-	5	cr	-		prof. Pech
ZVX132E	Hydrodynamics in Porous Media							2	2	-	6	cr	ex		doc. Kuráž
ZVX133E	Hydrological Modelling							2	2	-	6	cr	ex		doc. Máca
ZBX109E	Landscape Planning							2	1	1	5	cr	ex		doc. Janečková
ZXX133Z	Diploma Thesis Assignment							-	-	0	-	cr	-		Supervisor
Σ		14	11	0	37	7	7	10	8	1	27	6	3		64

Le = lecture

Pr = practical lecture

FE = field excursions (days)

ECTS = credits

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St. year: 2		2021/2022												
Code	Compulsory subjects	3rd Semester winter						4th Semester summer						Guarantee
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex	
ZUX113E	EIA and SEA	2	1	-	5	cr	ex							Ing. Keken, Ph.D.
LRX06E	Environmental Economics	2	1	-	5	cr	ex							prof. Šišák
ZBX110E	Land management	2	2	1	6	cr	ex							doc. Janečková
ZUX111E	Landscape Ecology	2	2	-	5	cr	ex							doc. Skaloš
ZBX119E	River Restoration	2	1	2	6	cr	ex							Ing. Kalibová, Ph.D.
ZBX117E	Soil Erosion Control	2	2	-	6	cr	ex							Ing. Kalibová, Ph.D.
ZVX142E	Climate Change Adaptation							2	2	-	5	cr	ex	prof. Hanel
ZUX112E	Wetlands Cons. and Management							2	1	1	5	cr	ex	doc. Chen
ZXX108Z	Diploma Thesis							-	-	-	10	cr	-	Supervisor
	Optional subjects (min. ECTS)										10	cr		
Σ		12	9	3	33	6	6	4	3	1	30	4	2	63

Le = lecture

Pr = practical lecture

FE = field excursions (days)

ECTS = credits

The student is obliged to choose one Optional subjects (five credits) during the fourth semestr of the study.

St. year: 1		2020/2021												
Code	Optional subjects	Winter semester						Summer semester						Guarantee
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex	
ZVX144E	Adaptive Water Resources Management							2	1	-	5	cr	ex	Mgr. Martínková, Ph.D.
ZVX143E	Transport of Contaminants in Porous Environments							2	1	-	5	cr	ex	doc. Kuráž

The student is obliged to choose one Optional course (five credits) during the fourth semestr of the study.

St. year: 2		2021/2022												
Code	Optional subjects	Winter semester						Summer semester						Guarantee
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex	
ZOX111E	Environmental Contamination and Remediation Technology							2	1	-	5	cr	ex	prof. Komárek

ZOX106E	Environmental Hydrogeology						2	2	-	6	cr	-	doc. Trakal
ZUX110E	Water Resources Protection						2	2	-	6	cr	ex	prof. Komínková