

Study programme: **Environmental Modelling**

 Type of study: **master degree programme**

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

 Guarantor: **prof. Ing. Pavel Pech,CSc.**

St. year: 1		2022/2023													
Code	Compulsory subjects	1st Semester winter						2nd Semester summer						Guarantee	
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex		
ZVX148E	Applied Atmospheric Sciences	2	-	-	5	cr	ex								doc. Kyselý
TAZ06E	Applied Mathematics for Environmental modelling	2	2	-	6	cr	ex								doc. Gurka
ZVX146E	Environmental Hydraulics	2	1		5	cr	ex								prof. Pech
ZVX128E	Environmental Hydrology	2	2	-	6	cr	ex								doc. Máca
ZVX129E	Physical - Chemical Aspects of Processes in Environment	2	-	-	4	cr	ex								doc. Vach
ZVX112Z	Programming I	2	2	-	4	cr	-								Ing. Hnilica, Ph.D.
ZGX124E	GIS II							2	2	-	5	cr	Ex		Msc. Malavasi, Ph.D.
ZVX130E	Groundwater Hydraulics							2	1	-	5	cr	ex		prof. Pech
ZVX131E	Hydraulic Modelling							2	1	-	5	cr	ex		prof. Matoušek
ZVX132E	Hydrodynamics in Porous Media							2	2	-	6	cr	ex		doc. Kuráž
ZVX133E	Hydrological Modelling							2	2	-	6	cr	ex		doc. Máca
ZVX134E	Numerical Methods							2	2	-	6	cr	ex		doc. Mayer doc. Kuráž
ZVX149E	Progammng II							2	2	-	4	cr	ex		Ing. Hnilica, Ph.D.
ZXX107Z	Diploma Thesis Assignment							-	-	-	0	cr	-		Supervisor
Σ		12	7	0	30	6	5	10	8	0	37	8	7		67

Le = lecture

Pr = practical lecture

FE = field excursions (days)

ECTS = credits

Study programme: **Environmental Modelling**

 Type of study: **master degree programme**

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

 Guarantor: **prof. Ing. Pavel Pech, CSc.**

St. year: 2		2022/2023													
Code	Compulsory subjects	3rd Semester winter						4th Semester summer						Guarantee	
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex		
ZVX135E	Experimental Methods in Fluid Mechanics	2	1	-	5	cr	ex								doc. Chára
ZVX106Z	Hydraulic Modelling of River Flow	-	3	-	4	cr	-								Ing. Roub, Ph.D.
APZ08E	Modelling in Soil Science	2	2	-	6	cr	ex								prof. Kodešová
ZVX150E	Presentation of Environmental Data	1	2	-	4	cr	ex								prof. Hanel
ZVX136E	Random Processes	2	2	-	6	cr	ex								doc. Lachout
ZXX120Z	Seminar II	4	-	-	2	er	-								doc. Kumble
ZVX137E	Transport of Contaminants in Atmosphere	2	-	-	5	cr	ex								doc. Vach
ZVX109Z	Applied Hydroinformatics							2	-	-	5	cr	-		doc. Zeman
ZVX138E	Flow in Atmospheric Boundary Layer							2	1	-	5	cr	ex		prof. Jaňour
ZXX116Z	Diploma Thesis WS	-	-	-	5	cr	-								Supervisor
ZXX121Z	Diploma Thesis SS							-	-	-	16	cr	-		Supervisor
Σ		10	10	0	37	8	5	4	1	0	26	3	1		63

Le = lecture

Pr = practical lecture

FE = field excursions (days)

ECTS = credits