

Study programme: **Smart Sustainable Solutions**
 Type of study: **master degree programme**
 Study form: **combined type of study**
 Guarantor: **prof. Ing. Martin Hanel, Ph.D.**

St. year: 1		2025/2026													
Code	Compulsory subjects	1st Semester winter						2nd Semester summer						Guarantee	
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex		
ZUX702E	Circular Economy Management	24	12	-	4	z	zk							doc. Wimmerová	
ZUX700E	Environmental Policy & Planning	24	12	-	4	z	zk							doc. Keken	
ZVX701E	Hydrological & Climate Variability	30	15	-	4	z	zk							doc. Markonis	
ZGX700E	Remote Sensing & Wireless Sensor Networks	30	10	-	4	z	zk							doc. Moudrý	
ZBX700E	Sustainable Land Management	30	10	-	4	z	zk							doc. Janečková	
ZVX700E	Data Acquisition & Sensors							26	10	-	4	z	zk	doc. Máca	
ZVX703E	Environmental Data Processing							20	20	-	4	z	zk	prof. Hanel	
ZEX700E	Environmental Risk Assessment I							24	12	-	4	z	zk	Mgr. Lodin	
ZVX702E	Hydroclimatology & Real time Monitoring							20	20	-	4	z	zk	doc. Máca	
ZVX700Z	Industrial Practice								250	-	10	z	-	prof. Hanel	
ZVX701Z	Local Culture & Language I							10	10	-	2	z	-	prof. Hanel	
ZUX701E	Wetland Construction & Management							24	24	-	4	z	zk	doc. Zhongbing	
ZVX702Z	Thesis Project								200	-	8	z	-	prof. Hanel	
Σ		##	47	0	20	4	4	##	546	0	40	8	5	60	

Le = lecture

Pr = practical lecture

FE = field excursions (days)

ECTS = credits

Cr = credit

Ex = exam

Study programme: **Smart Sustainable Solutions**
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St. year: 2		2026/2027													
Code	Compulsory subjects	3rd Semester winter						4th Semester summer						Guarantee	
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex		
ZVX707E	Augmented & Virtual Reality Applications in Environmental	20	10	-	4	z	zk							Ing. Strnad, Ph.D.	
ZVX704E	Digital Soil Mapping, Management & Protection	24	24	-	4	z	zk							doc. Kuráž	
ZUX703E	Eco-Innovation & Sustainability	20	20	-	4	z	zk							Ing. Hnátková, Ph.D.	
ZEX701E	Environmental Risk Assessment II	30	30	-	4	z	zk							Mgr. Lodin	
ZGX702E	Geospatial Data Sciences - Environmental Informatics	30	15	-	4	z	zk							prof. Šimová	
ZVX708E	IoT Platforms & Systems	24	12	-	4	z	zk							Ing. Strnad, Ph.D.	
ZVX703Z	Developing Tool Demonstrator							20	30	-	8	z	-	Ing. Pavlásek, Ph.D.	
ZGX701E	Drone Systems							20	10	-	4	z	zk	doc. Moudrý	
ZVX705E	Environmental Engineering							24	12	-	4	z	zk	doc. Vach	
ZUX704E	Environmental Management							24	12	-	4	z	zk	doc. Keken	
ZVX704Z	Local Culture & Language II							30		-	2	z	-	doc. Markonis	
ZVX706E	NI LabVIEW Training							22	10	-	4	z	zk	doc. Kuráž	
ZVX705Z	Master Thesis								250	-	10	z	-	prof. Hanel	
Σ		54	27	0	24	5	5	##	324	0	36	7	4	60	

Le = lecture

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FE = field excursions (days)

ECTS = credits

Cr = credit

Ex = exam