Faculty of Environmental Sciences

Study programme: **Environmental Engineering**
Type of study: **bachelor study program**
Study form: **full time form of study**
Guarantor: **doc. Ing. Kristina Janečková, Ph.D.**

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	
ZEX108E	Fundamentals of Biology	2	-	-	6	cr	ex							prof. Mandák
ZEX111E	Fundamentals of Ecology	2	1	-	6	cr	ex							doc. Morelli
ZOX102E	Geology	2	2	-	6	cr	ex							RNDr. Jetmar, Ph.D
RTX16Z	Physical Training	-	1	-	1	cr	-							PaedDr. Vavrla
ZXX103Z	Seminar I	1	-	-	2	cr	-							doc. Kumble
ZEX109E	Zoology	2	2	-	6	cr	ex							prof. Růžička
ZEX110E	Botany							2	2	-	6	cr	ex	doc. Kocourková
ZOX103E	Environmental Chemistry							2	2	-	6	cr	ex	Ing. Hudcová, Ph.D.
ZBX122E	Landscape Ecology							2	2	-	6	cr	ex	do. Kumble
TAZ37E	Mathematics							2	2	-	6	cr	ex	doc. Gurka
RTX17Z	Physical Training							-	1	-	1	cr	-	PaedDr. Vavrla
APZ01E	Soil Science							2	2	-	6	cr	ex	prof. Borůvka
ZUX102Z	Workshop 1 - Global Environmental Issues							1	0	-	2	cr	-	Ing. Zdražil, Ph.D.
Σ		9	6	0	27	6	4	11	11	0	33	7	5	60

Le = lecture
Pr = practical lecture
FE = field excursions (days)
ECTS = credits
Cr = credit
Ex = exam

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St. year: 2 **2023/2024**

Code	Compulsory subjects	3rd Semester winter						4th Semester summer						Guarantee
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex	
ZVX107E	Air Pollution	2	2	-	6	cr	ex							Mgr. Waldhauserová, Ph.D.
ZEX112E	Environmental Data Collection and Processing	2	2	-	6	cr	ex							Ing. Chajma, Ph.D. Mgr. Sládeček, Ph.D.
ZGX103E	Geographic Information Systems I	2	2	-	6	cr	ex							doc. Moudrý
ZUX103E	Hydrochemistry	2	0	3	6	cr	ex							prof. Komínková
ZVX108E	Hydrology	2	1	-	6	cr	ex							doc. Máca
ZXX104Z	Seminar II	1	-	-	2	cr	-							doc. Kumble
ZUX104E	Ecotoxicology							2	2	-	6	cr	ex	doc. Wimmerová
ZBX101E	Landscape Architecture							2	2	-	6	cr	ex	doc. Kumble
ZXX105Z	Seminar III							1	-	-	2	cr	-	doc. Skaloš
ZUX106E	Waste Management							2	1	-	6	cr	ex	Ing. Hnátková, Ph.D.
ZBX102E	Water Resources Engineering							2	2	-	6	cr	ex	Ing. Kalibová, Ph.D. Dr. Ing. Kravka
ZBX101Z	Workshop 2 - Renewable Resources							1	-	-	2	cr	-	prof. Sklenička
Σ		11	7	3	32	6	5	10	7	0	28	6	4	60

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St. year: 3		2023/2024												
Code	Compulsory subjects	5th Semester winter						6th Semester summer						Guarantee
		Le	Pr	FE	ECTS	Cr	Ex	Le	Pr	FE	ECTS	Cr	Ex	
ZUX107E	Environmental Assessment	2	1	-	5	cr	ex							Ing. Keken, Ph.D.
ZBX103E	Land Management I	2	2	-	6	cr	ex							doc. Janečková
ZBX104E	Ecological Restoration and Engineering							2	1	-	5	cr	ex	Ing. Hendrychová, Ph.D.
ZVX109E	Global Change and Water Resources							2	1	-	5	cr	ex	Mgr. Martínková, Ph.D.
ZXX106Z	Bachelor Thesis							-	-	-	30	cr	-	Supervisor
	Optional Subjects - Group 1	-	-	-	5	cr	-							
	Optional Subjects - Group 2							-	-	-	5	cr	ex	
Σ		4	3	0	16	2	2	4	2	0	45	4	3	61

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Optional Subjects - Group 1

The student must take one core optional course Type 1 during the 3rd year of the study.

LKX01Z	CAD	-	3	-	5	cr	-							Mgr. Lexa, Ph.D.
ZEX103Z	Laboratory Methods	-	3	-	5	cr	-							doc. Kocourková

Optional Subjects - Group 2

The student must take one core optional course Type 1 during the 3rd year of the study.

ZUX115E	Carbon Footprint and Reduction Strategies							2	1	-	5	cr	ex	doc. Chen
ZEX103E	Nature Conservation							2	1	-	5	cr	ex	RNDr. Plesník, CSc.
ZBX106E	Spatial Planning							2	1	-	5	cr	ex	doc. Kumble