

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		2021/2022													
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
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								doc. Růžička
ZEX110E	Botany							2	2	-	6	cr	ex		doc. Kocourková
ZOX103E	Environmental Chemistry							2	2	-	6	cr	ex		prof. Chrastný
ZEX111E	Fundamentals of Ecology							2	1	-	6	cr	ex		doc. Morelli
ZUX105E	Landscape Ecology							2	2	-	6	cr	ex		doc. Skaloš
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.
<b>Σ</b>		<b>7</b>	<b>5</b>	<b>0</b>	<b>21</b>	<b>5</b>	<b>3</b>	<b>13</b>	<b>12</b>	<b>0</b>	<b>39</b>	<b>8</b>	<b>6</b>	<b>60</b>	

Le = lecture

Pr = practical lecture

FE = field excursions (days)

ECTS = credits

Cr = credit

Ex = exam

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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		
ZVX107E	Air Pollution	2	2	-	6	cr	ex								Mgr. Waldhauserová, Ph.D.
ZEX112E	Environmental Data Collection and Processing	2	2	-	6	cr	ex								prof. Šálek
ZGX103E	Geographic Information Systems I	2	2	-	6	cr	ex								Msc. Malavasi, Ph.D.
ZUX103E	Hydrochemistry	2	2	-	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		Ing. Wimmerová, MSc.
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
<b>Σ</b>		<b>11</b>	<b>9</b>	<b>0</b>	<b>32</b>	<b>6</b>	<b>5</b>	<b>10</b>	<b>7</b>	<b>0</b>	<b>28</b>	<b>6</b>	<b>4</b>		<b>60</b>

Le = lecture

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St. year: 3		2021/2022													
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		Mgr. Walmsley, 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		
<b>Σ</b>		<b>4</b>	<b>3</b>	<b>0</b>	<b>16</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>45</b>	<b>4</b>	<b>3</b>		<b>61</b>

Le = lecture

Pr = practical lecture

FE = field excursions (days)

ECTS = credits

Cr = credit

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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	-								Ing. Sikora
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.*

ZEX103E	Nature Conservation							2	1	-	5	cr	ex		doc. Vojar
ZBX105E	Planning for Ecotourism							2	1	-	5	cr	ex		doc. Kumble
ZBX106E	Spatial Planning							2	1	-	5	cr	ex		doc. Kumble