



Year of studies: I, semester 2

No.	Name of the module / course	Semester	Number of ECTS points			Number of ECTS points for practical classes	Form of crediting	Status of the course obligatory (o) or facultative (f)	Number of didactic hours						Internship	Master thesis	
			total	with direct participation of an academic teacher	independent student's work				total	including: organized classes							other*
										lectures	tutorial	laboratory	field	designing			
Content group																	
<b>I General requirements</b>																	
Number of ECTS points/didactic hours (total)																	
Number of ECTS points/didactic hours (practical classes)																	
Number of ECTS points/didactic hours (facultative courses)																	
<b>II Basic</b>																	
1	<b>Environmental management 1849S2-EM</b>	2	1	0,68	0,32	0	z/o	o	15	15				2			
2	<b>Statistics in environmental sciences 1849S2-SiAS</b>	2	3	1,28	1,72	1,8	z/o	o	45				45	2			
Number of ECTS points/didactic hours (total)																	
Number of ECTS points/didactic hours (practical classes)																	
Number of ECTS points/didactic hours (facultative courses)																	
<b>III Subject area</b>																	
1	<b>Renewable sources of electrical energy 1849S2-RSoEE</b>	2	3	1,36	1,64	0	e	o	45	15	30			4			
Number of ECTS points/didactic hours (total)																	
Number of ECTS points/didactic hours (practical classes)																	
Number of ECTS points/didactic hours (facultative courses)																	
<b>IV Specialty area</b>																	
1	<b>Environmental biotechnology 1849S2-EB</b>	2	4	1,96	2,04	1,8	e	o	60	15	40		5	4			
2	<b>Biotechnology of solid waste 1849S2-BoSW</b>	2	3	1,28	1,72	0	z/o	o	45	15	30			2			
3	<b>Bioremediation 1849S2-BIORE</b>	2	3	1,56	1,44	1,4	e	o	45	10	35			4			
4	<b>Biocatalysis and biotransformation in environmental biotechnology 1849S2-BaBIEB</b>	2	3	1,28	1,72	1,2	z/o	o	45	15	30			2			
5	<b>Membrane techniques in environmental engineering 1849S2-MTIEE</b>	2	3	1,28	1,72	0,2	z/o	o	45	15	25	5		2			
6	<b>Technologies of algae biomass production 1849S2-ToABP</b>	2	2	0,88	1,12	1,2	z/o	o	30	0	30			2			
7	<b>Facultative course (module A) 1849S2-FACCOA</b>	2	3	1,28	1,72	1,2	z/o	f	45	15			30	2			
8	<b>Foreign language (module C) 1849S2-FLmC</b>	2	2	1,28	0,72	0	z/o	f	30	0	30			2			
Number of ECTS points/didactic hours (total)																	
Number of ECTS points/didactic hours (practical classes)																	
Number of ECTS points/didactic hours (facultative courses)																	
<b>V Specialisation</b>																	
Number of ECTS points/didactic hours (total)																	
Number of ECTS points/didactic hours (practical classes)																	
Number of ECTS points/didactic hours (facultative courses)																	
<b>VI Other requirements</b>																	
Number of ECTS points/didactic hours (total)																	
<b>VII Internship</b>																	
No. of ECTS p/didactic hours in semester 2																	
No. of ECTS p/didactic hours in 1st year of studies																	
Number of ECTS points/didactic hours (practical classes)																	
Number of ECTS points/didactic hours (facultative courses)																	

**Year of studies: II, semester 3**

No.	Name of the module / course	Semester	Number of ECTS points			Number of ECTS points for practical classes	Form of crediting	Status of the course obligatory (o) or facultative (f)	Number of didactic hours							Internship	Master thesis							
			total	with direct participation of an academic teacher	independent student's work				total	including: organized classes**					other*									
										lectures	tutorial	laboratory	field	designing				computer						
Content group																								
<b>I General requirements</b>																								
	Number of ECTS points/didactic hours (total)																							
	Number of ECTS points/didactic hours (practical classes)																							
	Number of ECTS points/didactic hours (facultative courses)																							
<b>II Basic</b>																								
	Number of ECTS points/didactic hours (total)																							
	Number of ECTS points/didactic hours (practical classes)																							
	Number of ECTS points/didactic hours (facultative courses)																							
<b>III Subject area</b>																								
	Number of ECTS points/didactic hours (total)																							
	Number of ECTS points/didactic hours (practical classes)																							
	Number of ECTS points/didactic hours (facultative courses)																							
<b>IV Specialty area</b>																								
1	<b>Facultative course (module A) 1849S2-FACCOA</b>	3	3	1,28	1,72	1,2	z/o	f	45	15				30	2									
2	<b>Facultative course (module B) 1849S2-FACCOB</b>	3	2	1,28	0,72	0	z/o	f	30	15	15				2									
3	<b>MA Seminary 1849S2-MSEM</b>	3	5	2,48	2,52	0	z/o	o/f	75	0	75				2									
4	<b>Master thesis/professional practice*** 1849S2-MTPP</b>	3	20	8	12	0	z/o	o/f	200	0						200								
	Number of ECTS points/didactic hours (total)														350	30	90		30	6	200			
	Number of ECTS points/didactic hours (practical classes)														1,2									
	Number of ECTS points/didactic hours (facultative courses)														30	13,04	16,96	1,2						
<b>V Specialisation</b>																								
	Number of ECTS points/didactic hours (total)																							
	Number of ECTS points/didactic hours (practical classes)																							
	Number of ECTS points/didactic hours (facultative courses)																							
<b>VI Other requirements</b>																								
	Number of ECTS points/didactic hours (total)																							
<b>VII Internship</b>																								
	No. of ECTS p./didactic hours in semester 3														30	13,04	16,96	1,2				30	6	200
	No. of ECTS p./didactic hours in 2nd year of studies														30	10,92	18,08					20	6	200
	Number of ECTS points/didactic hours (practical classes)																	1,2						
	Number of ECTS points/didactic hours (facultative courses)															30		1,2						

**Total programme of studies - sum of hours and ECTS points**

No.	Name of the module / course	X	Number of ECTS points			Number of ECTS points for practical classes	Form of crediting	Status of the course obligatory (o) or facultative (f)	Number of didactic hours							Internship	Master thesis	
			total	with direct participation of an academic teacher	independent student's work				total	including: organized classes					other*			
										lectures	tutorial	laboratory	field	designing				computer
<b>Number of ECTS points / didactic hours in the study programme including in total - content group:</b>		<b>X</b>	<b>90</b>	<b>47,92</b>	<b>42,08</b>	<b>26,24</b>	<b>X</b>	<b>X</b>	<b>1145</b>	<b>189</b>	<b>250</b>	<b>280</b>	<b>0</b>	<b>135</b>	<b>76</b>	<b>60</b>	<b>160</b>	<b>200</b>
<b>I General requirements</b>																		
	Number of ECTS points/didactic hours (total)	X	1	0,68	0,32	0	X	X	15		15					2		
	Number of ECTS points/didactic hours (practical classes)	X	0				X	X										
	Number of ECTS points/didactic hours (facultative courses)	X	0			0	X	X	0									
<b>II Basic</b>																		
	Number of ECTS points/didactic hours (total)	X	7	3,92	3,08	3	X	X	105	15	15	30			30	8		
	Number of ECTS points/didactic hours (practical classes)	X	3				X	X										
	Number of ECTS points/didactic hours (facultative courses)	X	0				X	X	0									
<b>III Subject area</b>																		
	Number of ECTS points/didactic hours (total)	X	5	2,64	2,36	1,2	X	X	75	15	30	30				6		
	Number of ECTS points/didactic hours (practical classes)	X	1,2				X	X										
	Number of ECTS points/didactic hours (facultative courses)	X	0				X	X	0									
<b>IV Specialty area</b>																		
	Number of ECTS points/didactic hours (total)	X	71	34,68	36,32	16,04	X	X	950	159	190	220		135	46	42		
	Number of ECTS points/didactic hours (practical classes)	X	16,04				X	X										
	Number of ECTS points/didactic hours (facultative courses)	X	38	17,48	20,52	0	X	X	455									
<b>V Specialisation</b>																		
	Number of ECTS points/didactic hours (total)																	
	Number of ECTS points/didactic hours (practical classes)																	
	Number of ECTS points/didactic hours (facultative courses)																	
<b>VI Other requirements</b>																		
	Number of ECTS points/didactic hours (total)																	
<b>VII Internship</b>																		
1	Professional internship	1	6	6	0	6	z/o	o/f								2	160	
	Number of ECTS points/didactic hours (total)		6			6												
	Number of ECTS points/didactic hours (practical classes)		6			6												
	Number of ECTS points/didactic hours (facultative courses)		6			6												
			<b>90</b>	<b>47,92</b>	<b>42,08</b>	<b>26,24</b>			<b>1145</b>	<b>189</b>	<b>250</b>	<b>280</b>	<b>0</b>	<b>135</b>	<b>76</b>	<b>60</b>	<b>160</b>	<b>200</b>

I ECTS points: Summary quantity indicators including, classes:	ECTS points:		Hours	
	Number	%	Number	%
<b>Total - programm of studies</b>	90	100	2250	100
1 requiring direct participation of an academic teacher	47,92	53,2	1505	66,9
2 in the scope of basic sciences	7	7,8	105	4,7
3 of practical nature (laboratory, field, computer)	26,24	29,16	691	
4 all-university or realized in other field of studies	0	0,0	0	0,0
5 optional courses - at least 30 % ECTS points	44	48,9	615	27,3
6 practice	6	6,7	160	7,1
7 subjects in the humanities or social sciences	4	4,4	60	2,7

II	Percentage share of ECTS points for each of the educational discipline in the total number of ECTS points	%
	<b>Educational discipline</b>	
1	environmental engineering, mining and energy	100
Total % of ECTS points		100