

1	PLAN of full-time first-cycle studies, field of study BIOLOGIA, range: <i>Applied biology</i> , from academic year 2019-2020																			
2	Semester	Subjects	pass / exam	Course group	Hours			Year I		Year II				Year III				Total ECTS		
1st sem.								2nd sem.		3rd sem.		4th sem.		5th sem.		6 sem.				
3					Total	Lectures	Exercises	L	E	L	E	L	E	L	E	L	E		L	E
4																				
5	I-2019Z	Semester I																		
6		SUBJECTS IN THE GENERAL UNIVERSITY MODULE:																		
7		Modern Foreign Language	z	O	30	0	30	0	30									1	2,00	
8		The Subject of General Education	z	O	30	0	30	0	30	0								1	2,00	
9		Information Technology	z	O	30	0	30	0	30									1	2,00	
10		BASIC SUBJECTS:																		
11		Physicochemical basis of life - repetytorium	z	A	30	0	30	0	30									1	2,00	
12		General and Inorganic Chemistry	e	A	45	15	30	15	30									2	3,00	
13		Mathematics	z	A	30	10	20	10	20									1	2,00	
14		MAJOR SUBJECTS:																		
15		General Botany	e	B	75	30	45	30	45									2	6,00	
16		General Zoology	e	B	60	30	30	30	30									2	5,00	
17		Taxonomy and Diversity of Invertebrates	e	B	75	30	45	30	45									2	6,00	
18		TOTAL SEMESTER I			405	145	260	145	260									13	30	
19	II-2019L	Semester II																		
20		SUBJECTS IN THE GENERAL UNIVERSITY MODULE:																		
21		Modern Foreign Language	z	O	30	0	30			0	30							1	2,00	
22		BASIC SUBJECTS:																		
23		Organic Chemistry and Biochemistry	z	A	75	30	45			30	45							1	6,00	
24		Biophysics	e	A	30	15	15			15	15							2	2,00	
25		MAJOR SUBJECTS:																		
26		Taxonomy and Diversity of Plants	e	B	45	15	30			15	30							2	3,00	
27		Taxonomy and Diversity of Vertebrates	e	B	45	15	30			15	30							2	3,00	
28		Ecology	e	B	60	30	30			30	30							2	5,00	
29		Field Botany	z	B	20	0	20			0	20							1	2,00	
30		Invertebrates - field activities	z	B	20	0	20			0	20							1	2,00	
31		Vertebrates - field activities	z	B	20	0	20			0	20							1	2,00	
32		Introduction to statistics for biologists	z	B	45	10	35			10	35							1	3,00	
33		Physical Education	z	O	30	0	30			0	30							0	0,00	
34		TOTAL SEMESTER II			420	115	305			115	305							14	30	
35	III-2020Z	Semester III																		
36		SUBJECTS IN THE GENERAL UNIVERSITY MODULE:																		
37		Modern Foreign Language	z	O	30	0	30				0	30						1	2,00	
38		Physical Education	z	O	30	0	30				0	30						0	0,00	
39		Ergonomics	z	O	2	2	0				2	0						0	0,25	
40		Ethical Code	z	O	4	4	0				4	0						0	0,50	
41		Protection of Intellectual Property	z	O	2	2	0				2	0						0	0,25	
42		Occupational Hhealth and Safety	z	O	4	4	0				4	0						0	0,50	
43		MAJOR SUBJECTS:																		
44		General Microbiology	e	B	75	30	45				30	45						2	6,00	
45		Cell Biology	e	B	45	15	30				15	30						2	3,00	
46		Genetics and Basics of Genomics	e	B	60	30	30				30	30						2	5,50	
47		SPECIALTY SUBJECTS - Molecular methods in biology, part I:																		
48		Introduction to Bioinformatics	z	C	30	0	30				0	30						1	2,00	
49		Molecular Biology Laboratory I	z	C	50	10	40				10	40						2	4,00	
50		Subjects to choose (list of specialty subjects)	z	C/F	90	30	60				30	60						3	6,00	
51		TOTAL SEMESTER III			422	127	295				127	295						13	30	
52	IV-2020L	Semester IV																		
53		SUBJECTS IN THE GENERAL UNIVERSITY MODULE:																		
54		Modern Foreign Language	e	O	30	0	30					0	30					1	2,00	
55		MAJOR SUBJECTS:																		
56		Plant Physiology	e	B	75	30	45					30	45					2	6,00	
57		Human Biology	z	B	45	15	30					15	30					1	3,00	
58		Diversity of Protista and Fungi	e	B	45	15	30					15	30					2	3,00	
59		SPECIALTY SUBJECTS - biology in nature and environmental protection, part I:																		
60		Methods of Field Environmental Research I	z	C	50	10	40						10	40				2	4,00	
61		Landscape ecology	e	C	30	10	20						10	20				2	2,00	
62		Subjects to choose (list of specialty subjects)	z	C/F	120	40	80						40	80				4	8,00	
63		DIPLOMA MODULE:																		
64		Proseminar	z	C	30	0	30						0	30				2	2,00	
65		TOTAL SEMESTER IV			425	120	305						120	305				16	30	

66	V-2021 Z	Semester V																					
67		MAJOR SUBJECTS:																					
68		Environmental and Nature Protection		z	B	30	10	20										10	20			1	2,00
69		Animal Physiology		e	B	75	30	45										30	45			2	6,00
70		Evolutionary Biology		e	B	60	30	30										30	30			2	5,00
71		SPECIALTY SUBJECTS - Molecular methods in biology, part II:																					
72		Molecular Biology Laboratory II		z	C	50	10	40										10	40			2	4,00
73		Conservation Genetics		z	C	30	10	20										10	20			1	2,00
74		Subjects to choose (list of specialty subjects)		z	C/F	120	40	80										40	80			4	8,00
75		DIPLOMA MODULE:																					
76	Bachelor's Degree Thesis and Preparation for a Diploma Examination		z	C	0	0	0										0	0			25	3,00	
77	TOTAL SEMESTER V				365	130	235										130	235			37	30	
78	VI-2021 L	Semester VI																					
79		SUBJECT OF EDUCATION IN THE HUMANITIES OR SOCIAL SCIENCES:																					
80		Subjects to choose (general university list)		z	O	75	75	0										75	0		2	5,00	
81		Professional Practice		z	C	0	0	0										0	0		160	6,00	
82		SPECIALTY SUBJECTS - biology in nature and environmental protection, part II:																					
83		Methods of Field Environmental Research II		z	C	50	10	40										10	40		2	4,00	
84		Natural Valorisation		z	C	30	10	20										10	20		1	2,00	
85		Subjects to choose (list of specialty subjects)		z	C/F	60	20	40										20	40		2	4,00	
86		DIPLOMA MODULE:																					
87		Seminar		z	C	30	0	30										0	30		2	2,00	
88	Bachelor's Degree Thesis and Preparation for a Diploma Examination		z	C	0	0	0										0	0		50	7,00		
89	TOTAL SEMESTER VI				245	115	130										115	130		219	30		
90	Total Hours				2282	752	1530													312	180		

* inne- godziny przeznaczone na praktykę, pracę licencjacką i przygotowanie do egzaminu dyplomowego, konsultacje
Zatwierdzono - Uchwała nr 79/2018 Rady Wydziału Biologii i Biotechnologii z dnia 24 maja 2018 r.
Poprawki Uchwała nr 39/2019 z dnia 21 marca 2019r.