

PLAN of full-time first-cycle studies, field of study BIOLOGIA, range: *Applied biology*, from academic year 2019-2020

Semester	Subjects	pass / exam	Course group	Hours			Year I				Year II				Year III				Total ECTS
				Total	Lectures	Exercises	1st sem.		2nd sem.		3rd sem.		4th sem.		5th sem.		6 sem.		
							L	E	L	E	L	E	L	E	L	E	L	E	
I-2019Z	Semester I																		
	SUBJECTS IN THE GENERAL UNIVERSITY MODULE:																		
	<i>Modern Foreign Language</i>	z	O	30	0	30	0	30										1	2,00
	<i>The Subject of General Education</i>	z	O	30	30	0	30	0										1	2,00
	<i>Information Technology</i>	z	O	30	0	30	0	30										1	2,00
	BASIC SUBJECTS:																		
	<i>Physicochemical basis of life - repetytorium</i>	z	A	30	0	30	0	30										1	2,00
	<i>General and Inorganic Chemistry</i>	e	A	45	15	30	15	30										2	3,00
	<i>Mathematics</i>	z	A	30	10	20	10	20										1	2,00
	MAJOR SUBJECTS:																		
	<i>General Botany</i>	e	B	75	30	45	30	45										2	6,00
	<i>General Zoology</i>	e	B	60	30	30	30	30										2	5,00
	<i>Taxonomy and Diversity of Invertebrates</i>	e	B	75	30	45	30	45										2	6,00
	TOTAL SEMESTER I			405	145	260	145	260										13	30
II-2019L	Semester II																		
	SUBJECTS IN THE GENERAL UNIVERSITY MODULE:																		
	<i>Modern Foreign Language</i>	z	O	30	0	30		0	30									1	2,00
	BASIC SUBJECTS:																		
	<i>Organic Chemistry and Biochemistry</i>	z	A	75	30	45		30	45									1	6,00
	<i>Biophysics</i>	e	A	30	15	15		15	15									2	2,00
	MAJOR SUBJECTS:																		
	<i>Taxonomy and Diversity of Plants</i>	e	B	45	15	30		15	30									2	3,00
	<i>Taxonomy and Diversity of Vertebrates</i>	e	B	45	15	30		15	30									2	3,00
	<i>Ecology</i>	e	B	60	30	30		30	30									2	5,00
	<i>Field Botany</i>	z	B	20	0	20		0	20									1	2,00
	<i>Invertebrates - field activities</i>	z	B	20	0	20		0	20									1	2,00
	<i>Vertebrates - field activities</i>	z	B	20	0	20		0	20									1	2,00
	<i>Introduction to statistics for biologists</i>	z	B	45	10	35		10	35									1	3,00
	<i>Physical Education</i>	z	O	30	0	30		0	30									0	0,00
TOTAL SEMESTER II			420	115	305		115	305									14	30	
III-2020Z	Semester III OLSZTYN																		
	SUBJECTS IN THE GENERAL UNIVERSITY MODULE:																		
	<i>Modern Foreign Language</i>	z	O	30	0	30			0	30								1	2,00
	<i>Physical Education</i>	z	O	30	0	30			0	30								0	0,00
	<i>Ergonomics</i>	z	O	2	2	0			2	0								0	0,25
	<i>Ethical Code</i>	z	O	4	4	0			4	0								0	0,50
	<i>Protection of Intellectual Property</i>	z	O	2	2	0			2	0								0	0,25
	<i>Occupational Hhealth and Safety</i>	z	O	4	4	0			4	0								0	0,50
	MAJOR SUBJECTS:																		
	<i>General Microbiology</i>	e	B	75	30	45			30	45								2	6,00
	<i>Cell Biology</i>	e	B	45	15	30			15	30								2	3,00
	<i>Genetics and Basics of Genomics</i>	e	B	60	30	30			30	30								2	5,50
	SPECIALTY SUBJECTS - Molecular methods in biology, part I:																		
	<i>Introduction to Bioinformatics</i>	z	C	30	0	30			0	30								1	2,00
	<i>Molecular Biology Laboratory I</i>	z	C	50	10	40			10	40								2	4,00
	<i>Subjects to choose (list of specialty subjects)</i>	z	C/F	90	30	60			30	60								3	6,00
	TOTAL SEMESTER III			422	127	295			127	295								13	30
IV-2020L	Semester IV OSTRAVA																		
	SUBJECTS IN THE GENERAL UNIVERSITY MODULE:																		
	<i>Modern Foreign Language</i>	e	O	30	0	30				0	30							1	2,00
	MAJOR SUBJECTS:																		
	<i>Plant Physiology</i>	e	B	75	30	45				30	45							2	6,00
	<i>Human Biology</i>	z	B	45	15	30				15	30							1	3,00
	<i>Diversity of Protista and Fungi</i>	e	B	45	15	30				15	30							2	3,00
	SPECIALTY SUBJECTS - biology in nature and environmental protection, part I:																		
	<i>Methods of Field Environmental Research I</i>	z	C	50	10	40				10	40							2	4,00
	<i>Landscape ecology</i>	e	C	30	10	20				10	20							2	2,00
	<i>Subjects to choose (list of specialty subjects)</i>	z	C/F	120	40	80				40	80							4	8,00
DIPLOMA MODULE:																			
<i>Proseminar</i>	z	C	30	0	30				0	30							2	2,00	
TOTAL SEMESTER IV			425	120	305				120	305							16	30	
V-2020L	Semester V - OSTRAVA i OLSZTYN																		
	MAJOR SUBJECTS:																		
	<i>Environmental and Nature Protection</i>	z	B	30	10	20					10	20						1	2,00
	<i>Animal Physiology</i>	e	B	75	30	45					30	45						2	6,00
<i>Evolutionary Biology</i>	e	B	60	30	30					30	30						2	5,00	

V-2021Z	SPECIALTY SUBJECTS - Molecular methods in biology, part II:																	
	<i>Molecular Biology Laboratory II</i>	z	C	50	10	40							10	40			2	4,00
	<i>Conservation Genetics</i>	z	C	30	10	20							10	20			1	2,00
	<i>Subjects to choose (list of specialty subjects)</i>	z	C/F	120	40	80							40	80			4	8,00
DIPLOMA MODULE:																		
<i>Bachelor's Degree Thesis and Preparation for a Diploma Examination</i>	z	C	0	0	0								0	0			25	3,00
TOTAL SEMESTER V					365	130	235						130	235			37	30
VI-2021L	Semester VI																	
	SUBJECT OF EDUCATION IN THE HUMANITIES OR SOCIAL SCIENCES:																	
	<i>Subjects to choose (general university list)</i>	z	O	75	75	0								75	0		2	5,00
	<i>Professional Practice</i>	z	C	0	0	0								0	0		160	6,00
	SPECIALTY SUBJECTS - biology in nature and environmental protection, part II:																	
	<i>Methods of Field Environmental Research II</i>	z	C	50	10	40								10	40		2	4,00
	<i>Natural Valorisation</i>	z	C	30	10	20								10	20		1	2,00
	<i>Subjects to choose (list of specialty subjects)</i>	z	C/F	60	20	40								20	40		2	4,00
	DIPLOMA MODULE:																	
	<i>Seminar</i>	z	C	30	0	30								0	30		2	2,00
	<i>Bachelor's Degree Thesis and Preparation for a Diploma Examination</i>	z	C	0	0	0								0	0		50	7,00
TOTAL SEMESTER VI					245	115	130						115	130		219	30	
Total Hours					2282	752	1530										312	180
					2282													
					75													
					160													
					77													
					2282													
					Total: 2594													
					2282													
					in direct contact with an academic teacher													

* 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.