

"Lucian Blaga" University of Sibiu

Faculty of Sciences

Domain: Biology

Program of study: **Biology**

Graduate's title: Bachelor Degree in Biology, Programme of study: Biology

Studies duration: 3 years

Education form: full time

APROBAT
Consiliul de Administrație
din data de 17.06.2020

I. Requirements for the Bachelor Diploma:

- 180 credits for obligatory and optional disciplines;
- 10 credits for the Bachelor degree examination;
- passing the discipline Physical education (4 semesters)

II. Structure of academic year (in weeks)

	Teaching activities		Exam session			Summer practice
	Sem. I	Sem. II	Winter	Summer	Reexaminations	
1st year	14 weeks	14 weeks	3 weeks	3 weeks	2 weeks	2 weeks
2nd year	14 weeks	14 weeks	3 weeks	3 weeks	2 weeks	2 weeks
3rd year	14 weeks	12 weeks	3 weeks	3 weeks	2 weeks	-

III. Number of hours per week

Year	Semester I	Semester II
I	22 hours	22 hours
II	22 hours	22 hours
III	22 hours	22 hours

IV. Choosing the optional disciplines

The optional disciplines are included in the 3th, 4th, 5th and 6th semester (2nd and 3rd year).

It is mandatory to choose one optional course in the 3th semester, two optional courses in the 4th and three optional courses in the 5th and 6th semesters.

It is possible to choose more optional disciplines and register them in the transcript as facultative disciplines.

V. Conditions for promoting an academic year. Conditions for registering in the next year of study. Conditions of re-registering

In order to promote the 1st year of study, the student must have a minimum of 30 credits. In order to register in the 3rd year of study the student must accumulate 60 credits from the 1st year and minimum 30 credits from the 2nd year for obligatory and optional disciplines.

Registering in the following year is done according to the regulations from the Study contract concluded between the student and the university/faculty.

Students can take a budgeted position according to the annual rankings based on their individual performance. The expelled students may be re-registered in the same year of study with charge.

VI. The Bachelor degree exam

1. The period for elaborating the bachelor degree thesis: semesters 4-6;
2. The period for the bachelor degree paper's completion: June
3. The period for taking the bachelor degree exam: June-July
 - a) the testing of fundamental and specialty knowledge: 5 credits;
 - b) the elaboration and defence of bachelor degree thesis: 5 credits.

VII. Competencies following graduation

- Biologists in laboratories, hospitals, museums, consulting companies, administrations of protected areas, research.
- Biology teachers in secondary schools and highschoools

VIII. Further professional development: master and doctoral studies.

1st YEAR

No. crt.	Obligatory disciplines	Code discipline	Semester I					Semester II				
			C	S	L	Form of examination	Credits no.	C	S	L	Form of examination	Credits no.
1	<i>Plant cytology, anatomy and morphology</i>	380619F01I001	2	-	2	E1	5	-	-	-	-	-
2	<i>Systematics of cryptogams</i>	380619F01I002	2	-	2	E1	5	-	-	-	-	-
3	<i>Animal biology</i>	380619F01I003	2	-	2	E1	5	-	-	-	-	-
4	<i>Animal cytology and histology</i>	380619F01I004	2	-	2	E1	5	-	-	-	-	-
5	<i>General chemistry</i>	380619C01I005	1	1	1	C1	4	-	-	-	-	-
6	<i>Mathematics applied in biology</i>	380619C01I006	1	1	-	C1	3	-	-	-	-	-
7	<i>Foreign language 1</i>	380619C01I007	-	1	-	C1	3	-	-	-	-	-
8	<i>Physical education 1</i>	380619C01I008	-	1	-	VI*	1	-	-	-	-	-
9	<i>Systematics of phanerogams</i>	380619F02I009	-	-	-	-	-	2	-	2	E2	4
10	<i>Systematics of invertebrates</i>	380619F02I010	-	-	-	-	-	2	-	2	E2	5
11	<i>Biophysics</i>	380619F02I011	-	-	-	-	-	2	-	1	C2	4
12	<i>General ecology</i>	380619F02I012	-	-	-	-	-	2	1	1	E2	5
13	<i>Human anatomy and hygiene</i>	380619F02I013	-	-	-	-	-	2	-	2	E3	3
14	<i>Computer operation</i>	380619C02I014	-	-	-	-	-	-	-	2	C2	3
15	<i>Foreign language 2</i>	380619C02I015	-	-	-	-	-	-	1	-	C2	3
16	<i>Physical education 2</i>	380619C02I016	-	-	-	-	-	-	1	-	V2*	1
17	<i>Practical training 1 14 days x 6 hours = 84 hours</i>	380619F02I017	-	-	-	-	-	-	-	-	C2	3
Total obligatory hours per week			10	3	9	4E3C1V	30+1	10	2	10	4E4C1V	30+1
			22				22					
Facultative courses												
18	<i>Fundamentals of biology</i>	380619F01F018	2	1	-	C1	3	-	-	-	-	-
19	<i>Principles and methods of taxonomy</i>	380619F02F019	-	-	-	-	-	2	1	-	C2	3
20	<i>Entrepreneurial education</i>	380619C02F020	-	-	-	-	-	2	2	-	C2	3
Total facultative hours per week			2	1	-	1C	3	4	3	-	2C	6
			3				7					

* The discipline **Physical education** is evaluated with ADMITTED/REJECTED

Rector,

Prof. Sorin Radu, Doctor habilitatus



Dean,

Assoc. prof. Florin Sofonea, PhD

Florin Sofonea

Department Director,

Lect. Voichița Gheoca, PhD

Voichița Gheoca

2nd YEAR

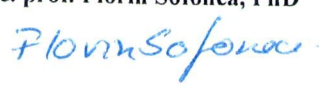
No. crt.	Obligatory disciplines	Code discipline	Semester III					Semester IV				
			C	S	L	Form of examination	Credits no.	C	S	L	Form of examination	Credits no.
21	<i>Phytosociology and the vegetation of Romania</i>	330619S03I021	2	1	1	E3	5	-	-	-	-	-
22	<i>Plant physiology</i>	380619F03I022	2	-	2	E3	5	-	-	-	-	-
23	<i>Systematics of vertebrates</i>	380619F03I023	2	-	2	E3	5	-	-	-	-	-
24	<i>Cell biology</i>	380619F03I024	1	1	1	C3	4	-	-	-	-	-
25	<i>Biochemistry</i>	380619F03I025	2	-	2	E3	4	-	-	-	-	-
26	<i>Physical education 3</i>	380619C03I026	-	1	-	V3*	1	-	-	-	-	-
27	<i>Foreign language 3</i>	380619C03I027	-	1	-	C3	3	-	-	-	-	-
28	<i>Animal physiology</i>	380619F04I028	-	-	-	-	-	2	-	2	E4	4
29	<i>Vertebrate biology</i>	380619F04I029	-	-	-	-	-	2	-	2	E4	4
30	<i>Basic genetics</i>	380619F04I030	-	-	-	-	-	2	1	1	E4	4
31	<i>Hydrobiology</i>	380619S04I031	-	-	-	-	-	2	-	2	E4	4
32	<i>Methods of biological data analysis</i>	380619S04I032	-	-	-	-	-	1	-	2	C4	4
33	<i>Physical education 4</i>	380619C04I033	-	-	-	-	-	-	1	-	V4*	1
34	<i>Foreign language 4</i>	380619C04I034	-	-	-	-	-	-	1	-	C4	3
35	<i>Practical training 2</i> <i>14 days x 6 hours = 84 hours</i>	380619S04I035	-	-	-	-	-	-	-	-	C4	3
	<i>Optional course 1</i>		1	-	1	C3	4	-	-	-	-	-
	<i>Optional course 2</i>		-	-	-	-	-	1	-	1	E4	4
Total obligatory hours per week			10	3	9	4E3CIV	30+1	10	2	10	4E5CIV	30+1
Optional courses												
Optional course 1												
36	<i>Mountain flora</i>	380619S03O036	1	-	1	C3	4	-	-	-	-	-
37	<i>Biochemistry of metabolism</i>	380619S03O037	1	-	1	C3	4	-	-	-	-	-
Optional course 2												
38	<i>Mountain fauna</i>	380619S04O038	-	-	-	-	-	1	-	1	E4	4
39	<i>Enzimology</i>	380619C04O039	-	-	-	-	-	1	-	1	E4	4
Facultative courses												
40	<i>Scientific and professional writing and communication</i>	380619C03F040	2	2	-	C3	3	-	-	-	-	-
41	<i>Biochemistry 2</i>	380619F04F041	-	-	-	-	-	1	-	1	C4	3
42	<i>Biophysics 2</i>	380619F04F042	-	-	-	-	-	1	1	-	C4	3
Total facultative hours per week			4	4	-	3C	9	3	2	1	3C	9
			8					6				

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3rd YEAR

No. crt.	Obligatory disciplines	Code discipline	Semester V					Semester VI				
			C	S	L	Form of examination	Credits no.	C	S	L	Form of examination	Credits no.
43	Entomology	380619S051043	2	-	2	E5	5	-	-	-	-	-
44	Ethology	380619S051044	2	1	-	E5	5	-	-	-	-	-
45	Evolutionism	380619F051045	2	1	-	E5	5	-	-	-	-	-
46	Biogeography	380619S051046	2	1	-	E5	4	-	-	-	-	-
47	Biodiversity management	380619S051047	-	-	-	-	-	2	1	1	E6	4
48	Microbiology	380619F061048	-	-	-	-	-	2	-	2	E6	5
49	Parasitology	380619S061049	-	-	-	-	-	2	-	2	E6	4
50	Practice for elaboration of bachelor degree thesis, 14 days x 6 hours = 84 hours	380619S061050	-	-	-	-	-	-	-	-	C6	3
	Optional course 3		1	1	1	C5	3	-	-	-	-	-
	Optional course 4		2	1	1	C5	4	-	-	-	-	-
	Optional course 5		1	-	1	C5	4	-	-	-	-	-
	Optional course 6		-	-	-	-	-	1	2	-	C6	5
	Optional course 7		-	-	-	-	-	2	-	2	C6	5
	Optional course 8		-	-	-	-	-	2	-	1	C6	4
Total compulsory hours per week			12	5	5	4E3C	30	11	3	8	3E4C	30
			22					22				
Bachelor degree examination												
Evaluation of fundamental and specialty knowledge			-	-	-	-	-	-	-	-	-	5
Elaboration and defence of bachelor degree thesis			-	-	-	-	-	-	-	-	-	5
Optional courses												
<i>Optional course 3</i>												
51	Functions of relation, nutrition and reproduction in animals	380619S050051	1	1	1	C5	3	-	-	-	-	-
52	Physiology of nutrition and development in plants	380619S050052	1	1	1	C5	3	-	-	-	-	-
<i>Optional course 4</i>												
53	General genetics	380619S050053	2	-	2	C5	4					
54	Ecological genetics	380619S050054	2	1	1	C5	4					
<i>Optional course 5</i>												
55	Medical biology	380619S050055	1	-	1	C5	4	-	-	-	-	-
56	Bioproductivity	380619C050056	1	-	1	C5	4					
57	Laboratory techniques	380619S050057	-	-	2	C5	4					
<i>Optional course 6</i>												
58	Immunology	380619C060058	-	-	-	-	-	1	2	-	C6	5
59	Aquaculture	380619C060059	-	-	-	-	-	1	2	-	C6	5
<i>Optional course 7</i>												
60	Biotechnologies	380619C060060	-	-	-	-	-	2	-	2	C6	5
61	Mycology	380619S060061	-	-	-	-	-	2	-	2	C6	5
<i>Optional course 8</i>												
62	Neurobiology	380619F060062	-	-	-	-	-	2	-	1	C6	4
63	Ornithology	380619S060063	-	-	-	-	-	2	-	1	C6	4
64	Ethics and academic integrity	380619C060064	-	-	-	-	-	1	1	-	C6	4
Facultative courses												
65	Anthropology	380619S06F065	1	-	1	C5	3	-	-	-	-	-
66	Integrated pest control	380619C06F066	-	-	-	-	-	1	-	1	C6	3
Total facultative hours per week			1	-	1	1C	3	1	-	1	1C	3
			2					2				

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IX. Synthetic situation of the disciplines, number of hours and their weight in the learning plan

Total of disciplines in the educational plan = 66

Total of disciplines (obligatory and optional) for the credits achievement = 48

Total hours: 1888 hours (including practice for the elaboration of the bachelor degree thesis) + 168 hours for practical training = 2056 hours

The ratio between the course hours and the applicative activities (seminar and laboratory) hours: $860/944=0.911$

The percentage of study subjects by the formative category

Discipline type	Optionality*	Number	Total (percents)	Standard
Fundamental disciplines	obligatory	17	21 (42%)	35-45%
	optional	-		
	facultative	4		
Specialization disciplines	obligatory	12	20 (40%)	35-50%
	optional	7		
	facultative	1		
Complementary disciplines	obligatory**	5	9 (18%)	10-20%
	optional	1		
	facultative	3		

*for the optional disciplines the packages of courses were considered

**the disciplines Foreign language and Physical education were considered once

The percentage of didactic activity hours considering the optionality

Subject type	Nr	Percentage (%)	Standard
Obligatory disciplines	1482*	77.6%	70-83%
Optional disciplines	428	22.4%	17-30%
Facultative disciplines	388		

* + practical training and practice for the elaboration of the bachelor degree thesis

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