

CURRICULUM **
Year of study I

Code	Disciplines*	Type	Sem. I [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0347	Introduction in biology (Basics of Biology)	CD	1	-	1	-	28	Ex	3	47	
STII-0767	Invertebrate Systematics (Protozoa, Porifera, Coelenterata, Helminthes, Mollusca)	FD	2	-	2	-	56	Ex	6	94	
STII-0294	Human anatomy	FD	2	-	2	-	56	Ex	6	94	
STII-0598	General cytology (vegetal and animal)	FD	2	-	2	-	56	Ex	6	94	
STII-0181	Biophysics	FD	1	-	1	-	28	Vp	2	22	
STII-0314	Sampling, preservation and preparation of biological didactic materials	CD	-	-	1	-	14	Vp	2	36	
STII-0465	English I	CD	-	1	-	-	14	Vp	1	11	
TOTAL			8	1	9	-	252		26	398	
OBLIGATORII OPd'z'IONALE											
PACHET 1											
STII-0217	General chemistry	CD	1	-	1	-	28	Ex	2	22	
STII-0408	Physical Chemistry	CD	1	-	1	-	28	Ex	2	22	
PACHET 2											
STII-0266	Computer science	CD	1	-	1	-	28	Vp	2	22	
STII-0348	Introduction in scientific research	CD	1	-	1	-	28	Vp	2	22	
TOTAL			2	-	2	-	56		4	44	
STII-0651	Sport I	CD	-	1	-	-	14	A/R	3	61	
FACULTATIVE											
STII-0402	General geology	CD	1	-	1	-	28	Vp	2	22	

Code	Disciplines*	Type	Sem. II [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0683	Plant histology and embriology	FD	1	-	1	-	28	Cv	2	22	
STII-0361	Plant morphology and anatomy	SD	2	-	3	-	70	Ex	6	80	
STII-0389	Biochemistry	FD	1	-	1	-	28	Cv	2	22	
STII-0355	General microbiology	FD	2	-	2	-	56	Ex	4	44	
STII-0785	Animal histology and embriology	FD	2	-	2	-	56	Ex	5	69	
STII-0601	Invertebrate systematics II (Arthropoda and Echinodermata)	FD	2	-	2	-	56	Ex	5	69	
STII-0466	English II	CD	-	1	-	-	14	Vp	1	11	
STII-0788	Practical period in Biology (with field applications) I	SD	-	-	-	-	60	Vp	5	65	
TOTAL			10	1	11	-	368		30	382	
STII-0652	Sport II	CD	-	1	-	-	14	A/R	3	61	
FACULTATIVE											
STII-0417	Soil science	CD	1	-	1	-	28	Vp	2	22	
STII-0685	Physics applications in biology	CD	1	-	1	-	28	Vp	2	22	

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Head of department ,
 Associate Professor Dr. Diana CUPŞA

RECTOR,
 Professor Dr. BUNGĂU Constantin

DEAN,
 Professor Dr. MACOCIAN Eugen-Victor

CURRICULUM **
Year of study II

Code	Disciplines*	Type	Sem. III [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0308	Cellular and molecular biology	FD	2	-	2	-	56	Ex	6	94	
STII-0625	Anamniotic vertebrates systematics	FD	2	-	2	-	56	Ex	6	94	
STII-0687	Systematic botany (Cryptogams)	FD	2	-	2	-	56	Ex	6	94	
STII-0628	Methabolic biochemistry	SD	1	-	1	-	28	Cv	2	22	
STII-0689	Imunobiology	SD	1	-	1	-	28	Ex	2	22	
STII-0297	Comparative anatomy	SD	1	-	2	-	42	Ex	5	83	
STII-0467	English III	CD	-	1	-	-	14	Vp	1	11	
TOTAL			9	1	10	-	280		28	420	
OBLIGATORII OPd'z'IONALE											
STII-0709	Virusology	CD	1	-	1	-	28	Cv	2	22	
STII-0352	Soil microbiology	CD	1	-	1	-	28	Cv	2	22	
TOTAL			1	-	1	-	28		2	22	
STII-0653	Sport III	CD	-	1	-	-	14	A/R	3	61	
FACULTATIVE											
STII-0690	Geography of Romania	CD	1	-	1	-	28	Vp	2	22	
STII-0691	Climatology	CD	1	-	1	-	28	Vp	2	22	

Code	Disciplines*	Type	Sem. IV [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0340	General genetics	FD	2	-	2	-	56	Ex	5	69	
STII-0688	Systematic botany (Phanerogams)	FD	2	-	2	-	56	Ex	5	69	
STII-0431	General ecology	FD	2	-	2	-	56	Ex	5	69	
STII-0630	Amniotic vertebrates systematics	FD	1	-	2	-	42	Ex	3	33	
STII-0364	Ornithology	SD	1	-	1	-	28	Cv	2	22	
STII-0468	English IV	CD	-	1	-	-	14	Vp	1	11	
STII-0789	Practical period in Biology (with field applications) II	SD	-	-	-	-	60	Vp	5	65	
TOTAL			8	1	9	-	312		26	338	
OBLIGATORII OPd'z'IONALE											
PACHET 1											
STII-0365	Paleobiology	SD	1	-	2	-	42	Ex	3	33	
STII-0693	Invertebrate and vertebrate biology	SD	1	-	2	-	42	Ex	3	33	
PACHET 2											
STII-0794	Antreprenorship in Natural Sciences Domain	CD	1	-	-	-	14	Vp	1	11	
STII-0765	Academic Ethics and Integrity	CD	1	-	-	-	14	Vp	1	11	
TOTAL			2	-	2	-	56		4	44	
STII-0654	Sport IV	CD	-	1	-	-	14	A/R	3	61	
FACULTATIVE											
STII-0345	Ihthyology	CD	1	-	2	-	42	Vp	3	33	
STII-0435	Ecotoxicology	CD	1	-	1	-	28	Vp	2	22	

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Head of departament ,
Associate Professor Dr. Diana CUPȘA

RECTOR,
Professor Dr. BUNGĂU Constantin

DEAN,
Professor Dr. MACOCIAN Eugen-Victor

CURRICULUM **
Year of study III

Code	Disciplines*	Type	Sem. V [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0710	Plant physiology	FD	1	-	1	-	28	Ex	3	47	
STII-0711	Animal physiology	FD	1	-	1	-	28	Ex	3	47	
STII-0429	Population ecology	CD	1	-	1	-	28	Ex	3	47	
STII-0324	Entomology	SD	2	-	2	-	56	Ex	5	69	
TOTAL			5	-	5	-	140		14	210	
OBLIGATORII OPd'z'IONALE											
PACHET 1											
STII-0341	Human genetics	SD	2	-	2	-	56	Ex	5	69	
STII-0339	Ecological genetics	SD	2	-	2	-	56	Ex	5	69	
PACHET 2											
STII-0496	Biotechnology	CD	2	-	2	-	56	Ex	5	69	
STII-0694	Microscopy	CD	2	-	2	-	56	Ex	5	69	
PACHET 3											
STII-0303	Biogeography	CD	1	-	1	-	28	Cv	3	47	
STII-0343	Herpetology	CD	1	-	1	-	28	Cv	3	47	
PACHET 4											
STII-0326	Ethology	SD	1	-	1	-	28	Cv	3	47	
STII-0473	Anthropology	SD	1	-	1	-	28	Cv	3	47	
TOTAL			6	-	6	-	168		16	232	
FACULTATIVE											
STII-0432	Human ecology	CD	1	-	1	-	28	Vp	2	22	
STII-0697	Nature conservation	CD	2	-	2	-	56	Vp	4	44	
STII-0792	Life skills	CD	1	-	-	-	14	Vp	1	11	
STII-0793	Career Coaching	CD	1	-	-	-	14	Vp	1	11	

Code	Disciplines*	Type	Sem. VI [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
STII-0333	Plant nutrition and developmental physiology	SD	3	-	3	-	72	Ex	6	78	
STII-0633	Relation, nutrition and reproduction functions at animals	SD	3	-	3	-	72	Ex	6	78	
STII-0327	Biological evolution	FD	1	-	1	-	24	Ex	3	51	
STII-0440	Hydrobiology	SD	1	-	2	-	36	Ex	4	64	
STII-0413	Elaboration of degree theses	SD	-	-	4	-	48	A/R	5	77	
TOTAL			8	-	13	-	252		24	348	
OBLIGATORII OPd'z'IONALE											
PACHET 1											
STII-0769	Phytocoenology	SD	1	-	1	-	24	Cv	2	26	
STII-0632	Molecular taxonomy	SD	1	-	1	-	24	Cv	2	26	
PACHET 2											
STII-0329	Phytopathology	SD	1	-	2	-	36	Ex	4	64	
STII-0351	Micology	SD	1	-	2	-	36	Ex	4	64	
TOTAL			2	-	3	-	60		6	90	
FACULTATIVE											
STII-0494	Genetic engineering	SD	1	-	1	-	24	Vp	2	26	
STII-0699	Comparative haematology	CD	1	-	2	-	36	Vp	3	39	

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VIII. DISTRIBUTION OF CREDITS ACCORDING TO COMPETENCES (TABLES NRQHE /ARACIS - Grid 1 *)

No.	Discipline**	Sem.	Number of credits	Professional Competences						Transversal Competences		
				C1	C2	C3	C4	C5	C6	CT1	CT2	CT3
1.	Introduction in biology (Basics of Biology)	I	3	1				1	1			
2.	Invertebrate Systematics (Protozoa, Porifera, Coelenterata, Helminthes, Mollusca)	I	6	1		2	1		1	1		
3.	Human anatomy	I	6	1	1		2	1		1		
4.	General cytology (vegetal and animal)	I	6	1	2	1	2					
5.	Biophisics	I	2				1	1				
6.	Sampling, preservation and preparation of biological didactic materials	I	2				1			1		
7.	English I	I	1									1
8.	Sport I	I	3								3	
9.	General chemistry	I	2	1	1							
10.	Physical Chemistry	I	2	1	1							
11.	Computer science	I	2	1		1						
12.	Introduction in scientific research	I	2	1		1			1			
13.	General geology	I	2						1	1		
14.	Plant histology and embriology	II	2		1		1					
15.	Plant morphology and anatomy	II	6	1	1	1	1	1		1		
16.	Biochemistry	II	2		1		1					
17.	General microbiology	II	4	1	1	1	1					
18.	Animal histology and embriology	II	5	1	1		1	1	1			
19.	Invertebrate systematics II (Arthropoda and Echinodermata)	II	5	1	1	1	1		1			
20.	English II	II	1									1
21.	Practical period in Biology (with field applications) I	II	5				1	1		1	1	1
22.	Sport II	II	3								3	
23.	Soil science	II	2				1		1			
24.	Physics applications in biology	II	2				1		1			
25.	Cellular and molecular biology	III	6	1	2		1	1	1			
26.	Anamniotic vertebrates systematics	III	6	1		1	1	1	1	1		
27.	Systematic botany (Cryptogams)	III	6	1		2	1	1	1			
28.	Methabolic biochemistry	III	2		1			1				
29.	Imunobiology	III	2		1			1				
30.	Comparative anatomy	III	5	1		1	1	1	1			
31.	English III	III	1									1
32.	Sport III	III	3								3	
33.	Virusology	III	2			1	1					
34.	Soil microbiology	III	2			1	1					
35.	Geography of Romania	III	2						1	1		
36.	Climatology	III	2						1	1		
37.	General genetics	IV	5	1	1		1	1	1			
38.	Systematic botany (Phanerogams)	IV	5	1		2	1		1			
39.	General ecology	IV	5	1			1	1	2			
40.	Amniotic vertebrates systematics	IV	3			2	1					
41.	Ornithology	IV	2			1	1					
42.	English IV	IV	1									1
43.	Practical period in Biology (with field applications) II	IV	5				1		1	1	1	1
44.	Sport IV	IV	3								3	
45.	Paleobiology	IV	3	1		1	1					
46.	Invertebrate and vertebrate biology	IV	3			1	1		1			
47.	Antreprenorship in Natural Sciences Domain	IV	1								1	
48.	Academic Ethics and Integrity	IV	1								1	
49.	Ihthyology	IV	3			1	1			1		
50.	Ecotoxicology	IV	2				1	1				
51.	Plant physiology	V	3	1			1	1				
52.	Animal physiology	V	3	1			1	1				
53.	Population ecology	V	3				1	1	1			
54.	Entomology	V	5	1		2			1	1		
55.	Human genetics	V	5	1	1			1	1	1		
56.	Ecological genetics	V	5	1	1			1	1	1		
57.	Biotechnology	V	5	1			1		1	1	1	
58.	Microscopy	V	5	1			1		1	1	1	
59.	Biogeography	V	3	1		1			1			
60.	Herpetology	V	3	1		1			1			
61.	Ethology	V	3				1	1	1			
62.	Anthropology	V	3				1	1	1			
63.	Human ecology	V	2					1	1			
64.	Nature conservation	V	4					1	1	1	1	
65.	Life skills	V	1									1
66.	Career Coaching	V	1									1
67.	Plant nutrition and developmental physiology	VI	6	2			2		1	1		
68.	Relation, nutrition and reproduction functions at animals	VI	6	2		2			1	1		
69.	Biological evolution	VI	3	1		1			1			
70.	Hydrobiology	VI	4				1	1	1	1		
71.	Elaboration of degree theses	VI	5					1		2	1	1
72.	Phytocoenology	VI	2			1			1			
73.	Molecular taxonomy	VI	2			1			1			

74.	Phytopathology	VI	4	1		2			1		
75.	Micology	VI	4	1		2			1		
76.	Genetic engineering	VI	2					1	1		
77.	Comparative haematology	VI	3	1		1			1		

Legendă: C1 până la C5 sau C6 - Competențe profesionale; CT1 până la CT3 - Competențe transversale

* Se va utiliza Grila 1 (G1) care prezintă variantele: G1L și G1M corepunzătoare ciclurilor de studii de licență și masterat, în conformitate cu Ordinul MECS nr. 5703 / 18.10.2011.

** Se vor trece toate disciplinele din Planul de învățământ