

U.L.S. "King Mihai I" from Timișoara  
**Faculty of Bioengineering of Animal Resources**  
 University studies: **Master**  
 Domain: **Biotechnologies**  
 Study programme: **Sustainable Biotechnologies**  
 Form of study: **Full-Time**  
 Duration of the study programme: **2 years/4 semesters/ 3+1**

**Approved RECTOR,**  
 Prof. Cosmin Alin POPESCU Ph.D.

Date: ..... 20\_\_

**Curriculum**  
**1st year, academic year 2023/2024**

No.	DISCIPLINE	Discipline Code	Semester 1 (14 weeks)									Semester 2 (14 weeks)									Total /year			
			C	S	L	P	Total teaching hours (T.H.)	Hours Cv.	Hours I.S.	CR.	E.F.	C	S	L	P	Total teaching hours (T.H.)	Hours Cv.	Hours I.S.	CR.	E.F.	Hours Cv.	CR.	Hours I.S.	
<b>COMPULSORY disciplines</b>																								
1	Advanced Molecular Methods in Biotechnologies 1	BS.01.A.1	2	-	2	-	56	112	169	9	E	-	-	-	-	-	-	-	-	-	112	9	169	
2	Study Methods Based on Cell Cultures	BS.02.A.1	3	-	3	-	84	168	216	12	E	-	-	-	-	-	-	-	-	-	168	12	216	
3	Molecular Nutrition	BS.03.S.1	2	2	-	-	56	112	169	9	E	-	-	-	-	-	-	-	-	-	112	9	169	
4	Advanced Molecular Methods in Biotechnologies 2	BS.04.A.2	-	-	-	-	-	-	-	-	-	1	-	1	-	28	56	122	6	E	56	6	122	
5	Sustainable Processing of Bioresources	BS.05.S.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	112	144	8	E	112	8	144	
6	Modern Microbial Biotechnologies	BS.06.S.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	112	144	8	E	112	8	144	
7	Biotechnologies with Applications in Immunology	BS.07.S.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	112	144	8	E	112	8	144	
<b>TOTAL</b>			7	2	5	0	196	392	554	30	3E	7	0	7	0	196	392	554	30	4E	784	60	1108	
			<b>14</b>										<b>14</b>									28		
<b>FACULTATIVE Disciplines</b>																								
1	Biology and systematics of invertebrates	BS.01.A.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	84	-	4	C	84	4	-	
Note: C - no. of course hours /week; S - no. of seminar hours / L - no. of practical training hours / laboratory /week; P - no. of project hours /week; hours Cv - conventional hours; CR - credits; Hours I.S.- hours for individual study; E.F. - evaluation form: E - exam; C - colloquy; P - project; Discipline code: NBF - Nutrition and Fodder Base or PETEPA - Design and Technical-Economic Evaluation of Animal Production or ACA - Pets and Recreational Animals or BRAA - Reproduction Biotechnologies in Animal Genetic Improvement or BS - Sustainable Biotechnologies / no. of discipline order/ Discipline formative category: A - de aprofundare; S - speciality; C - complementary / semester: 1-4.			Total activities hours/ semester	Hours IS / Hours Cv	No. weeks/ semester	Teaching hours / week	Teaching hours / semester	Hours S.I. / semester			Total activities hours/ semester	Hours IS / Hours Cv	No. weeks/ semester	Teaching hours / week	Teaching hours / semester	Hours S.I. / semester								
			750	1,413	14	14	196		554		750	1,413	14	14	196		554							

**Advised DEAN,**  
 Prof. Ioan PEȚ Ph.D.  
 Date: ..... 20\_\_

U.L.S. "King Mihai I" from Timișoara  
**Faculty of Bioengineering of Animal Resources**  
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**Approved RECTOR,**  
 Prof. Cosmin Alin POPESCU Ph.D.

Date: ..... 20\_\_

**Curriculum**  
**2nd year, academic year 2023/2024**

No.	DISCIPLINE	Discipline Code	Semester 3 (14 weeks)									Semester 4 (14 weeks)									Total /year			
			C	S	L	P	Total teaching hours (T.H.)	Hours Cv.	Hours I.S.	CR.	E.F.	C	S	L	P	Total teaching hours (T.H.)	Hours Cv.	Hours I.S.	CR.	E.F.	Hours Cv.	CR.	Hours I.S.	
<b>COMPULSORY disciplines</b>																								
1	Quality Management in Biotechnologies	BS.01.S.3	2	1	-	-	42	91	108	6	E	-	-	-	-	-	-	-	-	-	91	6	108	
2	Biotechnology Entrepreneurship	BS.02.S.3	1	1	-	-	28	56	122	6	E	-	-	-	-	-	-	-	-	-	56	6	122	
3	Animal Biotechnologies with Applications in Industry and Agriculture	BS.03.S.3	4	-	4	-	112	224	288	16	E	-	-	-	-	-	-	-	-	-	224	16	288	
4	Ethics and academic integrity	BS.04.C.3	1	-	-	-	14	35	36	2	E	-	-	-	-	-	-	-	-	-	35	2	36	
5	Practical Training	BS.05.S.4	-	-	-	-	-	-	-	-	-	-	-	3	-	42	42	83	5	C	42	5	83	
6	Scientific Research for the Elaboration of the Dissertation Paper	BS.06.S.4	-	-	-	-	-	-	-	-	-	-	-	9	-	126	189	374	20	C	189	20	374	
7	Elaboration of the Dissertation Paper	BS.07.S.4	-	-	-	-	-	-	-	-	-	-	-	2	-	28	42	97	5	C	42	5	97	
<b>TOTAL</b>			8	2	4	0	196	406	554	30	4E	0	0	12	2	196	273	554	30	3C	679	60	1108	
			<b>14</b>									<b>14</b>										24,3		
-	<b>DISSERTATION EXAM</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	10	-	
Note: C - no. of course hours /week; S - no. of seminar hours / L - no. of practical training hours / laboratory /week; P - no. of project hours /week; hours Cv - conventional hours; CR - credits; Hours I.S.- hours for individual study; E.F. - evaluation form: E - exam; C - colloquy; P - project; Discipline code: NBF - Nutrition and Fodder Base or PETEPA - Design and Technical-Economic Evaluation of Animal Production or ACA - Pets and Recreational Animals or BRAA - Reproduction Biotechnologies in Animal Genetic Improvement or BS - Sustainable Biotechnologies / no. of discipline order/ Discipline formative category: A - de aprofundare; S - speciality; C - complementary / semester: 1-4.			Total activities hours/ semester	Hours IS / Hours Cv	No. weeks/ semester	Teaching hours / week	Teaching hours / semester	Hours S.I. / semester			Total activities hours/ semester	Hours IS / Hours Cv	No. weeks/ semester	Teaching hours / week	Teaching hours / semester	Hours S.I. / semester								
			750	1,365	14	14	196	554			750	2,029	14	14	196	554								

**Advised DEAN,**  
 Prof. Ioan PETI Ph.D.  
 Date: ..... 20\_\_