



**STUDY PLAN**  
**Study year : 1 (2022/2023)**

**I. Compulsatory courses**

Nr.	Courses	Cod	Semester 1 (14 weeks)							Semester 2 (14 weeks)						
			hours/weeks							hours/weeks						
			C	S	L	P	Cr	FV	C	S	L	P	Cr	FV		
1	Multi-omics applications in biotechnology	0311010101	1		2	1	8	E								
2	Microbial biotechnologies	0311010102	2		2		8	E								
3	Genomics	0311010103	2		2		7	E								
4	Nutritional genomics	0311010104	1		1		4	E								
5	Ethics and academic integrity	0311010105	1	1			3	V								
6	Marker Assisted Selection in Animal Populations	0311010106							1		1	2	8	E		
7	Embryo biotechnology	0311010107							2		2		8	E		
8	Molecular techniques for food authentication and GMO detection	0311010108							1		2		7	E		
9	Bioinformatics and biostatistics	0311010109							1		2	1	7	V		
<i>Total: hours/weeks</i>			7	1	7	1			5	0	7	3				
<i>Total: hours /credits /year</i>			<b>16</b>							<b>15</b>						
			<b>30</b>							<b>4E, 1V</b>						
			<b>30</b>							<b>3E, 1V</b>						

VICE RECTOR  
 Prof. Ioana POP PhD

DEAN,  
 Prof. Daniel S. BEZMIREAN PhD

PROGRAM COORDINATOR  
 Prof. Andrea BUNEA PhD



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**STUDY PLAN**

Study year : 2 (2023/2024)

**I. Compulsatory courses**

Nr.	Courses	Cod	Semester 1 (14 weeks)							Semester 2 (12 weeks)												
			hours/week							hours/weeks												
			C	S	L	P	Cr	FV		C	S	L	P	Cr.	FV							
1	Principles and isolation techniques of metabolites from natural matrices	0311020101	2		2		8	E														
2	Biotechnology of fermentative products	0311020102	2		2		8	E														
3	Biotechnology application in entomology	0311020103	2		2		8	E														
4	Applied bioeconomy and entrepreneurship	0311020104	1	1			6	E														
5	Biomaterials-practical application	0311020105								2		2		7	E							
6	Biodinamics of natural pigments	0311020106								2		2		6	E							
7	Scientific reasearch	0311020107												96 hours	12	V						
8	Elaboration of the dissertation project	0311020108												60 hours	5	V						
Total: hours/credits/week			7	1	6	0	30	4E	4	4	4	4	30	2E,2V								
Total / semester /year			14							8							30					

Total / semester /year			14							8							30
Total / semester /year										156 hours							

**II. Dissertation exam**

D: dissertation exam promotion

DEAN,  
 Prof. Daniel S. PEZMIREAN PhD

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VICE RECTOR  
 Prof. Ioana POP PhD

PROGRAM COORDINATOR  
 Prof. Andrea BUNEA PhD

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