

**University of Life Sciences "King Mihai I" from Timișoara**  
**Faculty of Bioengineering of Animal Resources**  
 Postgraduate study: **MASTER'S DEGREE**  
 Field of study: **ANIMAL HUSBANDRY**  
 Study programme: **Animal nutrition and feed management**  
 Type of education and attendance: **in person, Full-Time**  
 Duration of the study programme: **2 years/4 semesters / 3+1**

**Approved by the RECTOR,**  
 Prof. Dipl. Eng. Cosmin Alin POPESCU, PhD.

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

**CURRICULUM**  
**for the 1st year of study, academic year 2025/2026**

No.	SUBJECT	Subject Code	Semester 1 (14 weeks)									Semester 2 (14 weeks)									Total /year					
			L	S	Lab	P	Total Teaching Hours (T.T.H.)	Cv. Hours	I.S. Hours	ECTS credits	E.F.	C	S	L	P	Total Teaching Hours (T.T.H.)	Hours Cv.	I.S. Hours	ECTS credits	E.F.	Cv. Hours	ECTS credits	I.S. Hours			
<b>COMPULSORY subjects:</b>																										
1	Modeling of nutrient metabolism in animals	NBF.1.A.DOB.1	2	-	2	-	56	112	169	9	E	-	-	-	-	-	-	-	-	-	-	-	112	9	169	
2	Technologies for improving the pastoral value of grasslands	NBF.2.S.DOB.1	2	-	2	-	56	112	169	9	E	-	-	-	-	-	-	-	-	-	-	-	112	9	169	
3	Digestive and metabolic adaptation in ruminants and monogastric animals	NBF.3.A.DOB.1	3	-	3	-	84	168	216	12	E	-	-	-	-	-	-	-	-	-	-	-	168	12	216	
4	Applications of mathematical modeling in animal nutrition and feeding	NBF.4.S.DOB.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	112	169	9	E	-	-	112	9	169	
5	Optimization of feed resources in animal farms	NBF.5.A.DOB.2	-	-	-	-	-	-	-	-	-	3	-	3	-	84	168	216	12	E	-	-	168	12	216	
-	<b>EVECTIVE subjects</b>	-	-	-	-	-	-	-	-	-	-	2	-	2	-	56	112	169	9	E	-	-	112	9	169	
<b>TOTAL</b>			7	0	7	0	196	392	554	30	3E	7	0	7	0	196	392	554	30	3E	-	-	784	60	1108	
			14									14												28		
<b>EVECTIVE subjects (choose 1 out of 2):</b>																										
6	Animal feeding management	NBF.6.S.DOP.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	112	169	9	E	-	-	112	9	169	
7	Nutritional supplements	NBF.7.S.DOP.2	-	-	-	-	-	-	-	-	-	2	-	2	-	56	112	169	9	E	-	-	112	9	169	
<b>FACULTATIVE (OPTIONAL) subjects:</b>																										
1	Biostatistics	NBF.1.C.DFA.1	1	-	2	-	42	77	-	3	C	-	-	-	-	-	-	-	-	-	-	-	77	3	0	
2	Nanotechnology	NBF.2.C.DFA.2	-	-	-	-	-	-	-	-	-	1	-	2	-	42	77	-	3	C	-	-	77	3	0	
Legend: L - no. of lecture hours per week; S - no. of seminar hours per week; Lab - no. of practical work/laboratory hours per week; P - no. of project hours per week; Cv. hours - Conventional hours; CR - ECTS credits; I.S. Hours - Individual Study hours; E.F. - evaluation form: E - exam; C - colloquium; P - Project; Specialization Code: SB / Subject order/Formative category of the Subject: A - Advanced (in deep); S - specialty; C - Complementary/semester: 1-4.			Total activity hours / semester:	Total activity hours / semester:	No. of weeks / semester	Teaching hours / week	Teaching hours / semester		I.S. Hours / semester			Total activity hours / semester:	Total activity hours / semester:	No. of weeks / semester	Teaching hours / week	Teaching hours / semester		I.S. Hours / semester								
			750	1.413	14	14	196		554			750	1.413	14	14	196		554								

**Approved by the DEAN,**  
 Prof. Dipl.Eng. Ioan PETI, PhD.  
 Data: 08/07/2025

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 Prof. Dipl. Eng. Cosmin Alin POPESCU, PhD.

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

**CURRICULUM**  
**for the 2nd year of study, academic year 2025/2026**

No.	SUBJECT	Subject Code	Semester 1 (14 weeks)									Semester 2 (14 weeks)									Total /year				
			L	S	Lab	P	Total Teaching Hours (T.T.H.)	Cv. Hours	I.S. Hours	ECTS credits	E.F.	C	S	L	P	Total Teaching Hours (T.T.H.)	Hours Cv.	I.S. Hours	ECTS credits	E.F.	Cv. Hours	ECTS credits	I.S. Hours		
<b>Discipline OBLIGATORII</b>																									
1	Feed quality control	NBF.1.S.DOB.3	2	-	3	-	70	133	180	10	E	-	-	-	-	-	-	-	-	-	-	133	10	180	
2	Human nutrition and nutrigenomics	NBF.2.S.DOB.3	2	-	2	-	56	112	169	9	E	-	-	-	-	-	-	-	-	-	-	112	9	169	
3	Sales and negotiation techniques	NBF.3.S.DOB.3	2	2	-	-	56	112	169	9	E	-	-	-	-	-	-	-	-	-	-	112	9	169	
4	Ethics and academic integrity	NBF.4.C.DOB.3	1	-	-	-	14	35	36	2	C	-	-	-	-	-	-	-	-	-	-	35	2	36	
5	Practical training	NBF.5.S.DOB.4	-	-	-	-	-	-	-	-	-	-	-	-	15	210	315	415	25	C	-	315	25	415	
6	Dissertation writing	NBF.6.S.DOB.4	-	-	-	-	-	-	-	-	-	-	-	-	60	-	-	65	5	C	-	0	5	65	
<b>TOTAL</b>			7	2	5	0	196	392	554	30	3E+1C	0	0	0	15	210	315	480	30	2C	707	60	1034		
			<b>14</b>									<b>15</b>													
-	<b>DISSERTATION DEFENSE</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	E	-	10	-		
Legend: L - no. of lecture hours per week; S - no. of seminar hours per week; Lab - no. of practical work/laboratory hours per week; P - no. of project hours per week; Cv. hours - Conventional hours; CR - ECTS credits; I.S. Hours - Individual Study hours; E.F. - evaluation form: E - exam; C - colloquium; P - Project; Specialization Code: SB / Subject order/Formative category of the Subject: A - Advanced (in deep); S - specialty; C - Complementary/semester: 1-4.			Total activity hours / semester:	Total activity hours / semester:	No. of weeks / semester	Teaching hours / week	Teaching hours / semester		I.S. Hours / semester			Total activity hours / semester:	Total activity hours / semester:	No. of weeks / semester	Teaching hours / week	Teaching hours / semester		I.S. Hours / semester							
			750	1.413	14	14	196		554			750	1.524	14	15	210		480							

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 Prof. Dipl.Eng. Ioan PETI, PhD.  
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