UNIVERSITY OF AGRICULTURAL SCIENCES AND
VETERINARY MEDICINE CLUJ-NAPOCA
FACULTY OF ANIMAL SCIENCE AND BIOTECHNOLOGIES
APPLIED BIOTECHNOLOGIES
COD 0311

RECTOR
Prof.Cornel CĂTOI PhD

SENATE PRESIDENT
Prof.Dan VODNAR PhD

STUDY PLAN

Study year: 1 (2024/2025)

15/26

I. Compulsatory courses

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

VICE RECTOR
Prof.Ioana POP PhD

DEAN,
Prof.Daniel S. DEZMIREAN PhD

PROGRAM COORDINATOR
Prof.Andrea BUNEA PhD

UNIVERSITY OF AGRICULTURAL SCIENCES AND
VETERINARY MEDICINE CLUJ-NAPOCA
FACULTY OF ANIMAL SCIENCE AND BIOTECHNOLOGIES
APPLIED BIOTECHNOLOGIES
COD 0311

RECTOR
Prof.Cornel CĂTOI PhD

SENATE PRESIDENT
Prof.Dan VODNAR PhD

STUDY PLAN

Study year: 2 (2026/2027)

I. Compulsatory courses

Nr.	Courses	Formative category	Cod	Semester 1 (14 weeks) hours/week						Semester 2 (12weeks) hours/weeks					
				C	S	L	P	Cr	FV	C	S	L	P	Cr.	FV
1	Principles and isolation techniques of metabolites from natural matrices	DA	0311020101	2		2		8	E						
2	Cell and tisue engineering	DCA	0311020102	2		2		8	E						
3	Biotechnology application in enthomology	DA	0311020103	2		2		8	E						
4	Applied bioeconomy and entrepreneurship	DPC	0311020104	1	1			6	E						
5	Biotechnology of fermentative processes	DA	0311020105							2		2		6	E
6	Biomaterials-practical application	DCA	0311020106							2		2		7	E
7	Biodinamics of natural pigments	DA	0311020107							2		2		6	E
8	Scientific reasearch	DCA	0311020108							48 h				6	V
9	Practice for developing dissertation project		0311020109							60 h				5	V
Total: hours/credits/week				*7*	*1*	*6*		*30*	*4E*	*6*		*6*		*30*	**3E, 2V**
Total: hours/credits/year				**14**						**12**					
										108 h					
II.Dissertation exam															
Dissertation exam promovation														**10**	

DEAN,
Prof.Daniel S. DEZMIREAN PhD

VICE RECTOR
Prof.Ioana POP PhD

PROGRAM COORDINATOR
Prof.Andrea BUNEA PhD