

UNIVERSITY OF AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST
FACULTY OF BIOTECHNOLOGIES
STUDY MASTERAT PROGRAM: BIOTECHNOLOGY AND FOOD SAFETY
Duration: 2 years

CURRICULUM
1ST YEAR - 2018-2019

Nr. crt.	DISCIPLINE	Categ. Form.	Cod	Semester I (14 weeks)					Semester II (14 weeks)					TOTAL CREDITS /YEAR
				No. hours/week					No. hours/week					
				C	S/Pr	L	Credits	V	C	S/Pr	L	Credits	V	
1	Trends in food microbiology	A	B401DOA07	2	-	2	8	E	-	-	-	-	-	8
2	Basis on quality assurance in biotechnology and food industry	S	B401DOS01	2	2	-	8	E	-	-	-	-	-	8
3	Food toxicology and analysis methods	S	B401DOS02	2	-	2	8	E	-	-	-	-	-	8
4	Unit operations and equipment in biotechnology and food industry	A	B401DOA02	1	1	-	6	VP	-	-	-	-	-	6
5	New processing technologies in food industry	A	B401DOA03	-	-	-	-	-	2	-	2	8	E	8
6	Modern methods for pathogens and genetically modified organisms detection in food products	S	B401DOA04	-	-	-	-	-	2	-	2	8	E	8
7	Sensorial analysis	A	B401DOA05	-	-	-	-	-	2	-	2	7	E	7
8	Food security and human health	A	B401DOA06	-	-	-	-	-	2	1	-	7	VP	7
TOTAL				7	3	4	30		8	1	6	30		60

DEAN,
Prof.dr. Călina Petruța CORNEA

Programme Responsible,
Prof. dr. Mona Elena POPA

UNIVERSITY OF AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST
FACULTY OF BIOTECHNOLOGIES
STUDY MASTERAT PROGRAM: BIOTECHNOLOGY AND FOOD SAFETY
Duration: 2 years

CURRICULUM
2nd YEAR - 2019-2020

Nr. crt.	DISCIPLINE	Categ. Form	Cod	Semester I (14 weeks)					Semester II (14 weeks)					Total credits/ year
				No. hours/week					No. hours/week					
				C	S/Pr	L	Credit	V	C	S/Pr	L	Credit	V	
1	Biotechnologies of natural ingredients obtaining for food industry	A	B402DOA02	2	-	2	8	E	-	-	-	-	-	8
2	Modern food packaging technologies	S	B402DOS01	2	1	-	7	E	-	-	-	-	-	7
3	Hygiene and sanitation in food industry	S	B402DOS02	2	-	2	7	VP	-	-	-	-	-	7
4	Academic ethics and integrity	S		1	1	-	2	VP	-	-	-	-	-	2
5	Research practice (12 weeks. x 14 ore/săpt. = 168 ore)	S	B402DOS03	-	-	-	-	-	-	-	14	14	VP	14
6	Disertation Elaboration (2 weeks)	S		-	-	-	-	-	-	-	-	4	VP	4
TOTAL MANDATORY				7	2	4	24	-	-	-	14	18	-	42
7	Safety on primary production	S	B402DAS06	1	-	1	6	E	-	-	-	-	-	6
	Traceability on total food chain	S	B402DAS07											
8	Food adulteration and protection strategies	S	B402DAS08	-	-	-	-	-	2	-	1	6	E	6
	Design of new food products	A	B402DAA02											
9	Consumer behavior and protection	S	B402DAS09	-	-	-	-	-	1	1	-	6	E	6
	Communication techniques	S	B402DAS10											
TOTAL OPTIONAL				1	-	1	6	-	3	1	1	12	-	18
10	Project management	S	B402DFS02	1	1	-	2	VP	-	-	-	-	-	2
11	Bussiness foundation in biotechnologies: legislation and industrial property	S	B402DFS03	1	1	-	3	E	-	-	-	-	-	3
12	Applied biostatistics and specialized IT programmes	S	B402DFS05	-	-	-	-	-	2	1	-	3	VP	3
TOTAL FACULTATIVE				2	2		5		2	1		3		8
13	Disertation defense			-	-	-	-	-	-	-	-	-	-	10

Legend: A – advanced; S- speciality; E- exam; VP- ongoing verification.
DEAN,
Prof.dr. Călina Petruța CORNEA

Programme Responsible,
Prof. dr. Mona Elena POPA