

No	Code	Course title	Sem.	Active teaching				Other	ECTS	Obligatory/ Elective O/E	Course type
				L	P	DON	SRW				
1st YEAR											
1.	23IE1001	Anatomy 1	1.	4	5				7.0	O	Theoretical-methodological
2.	23IE1002	Medicinal chemistry	1.	2	1				4.0	O	Academic-general
3.	23IE1003	Zoology	1.	1	2				4.0	O	Academic-general
4.	23IE1004	Biophysics	1.	1	1				3.0	O	Academic-general
5.	23IE1005	Biostatistics with informatics	1.	2	1				4.0	O	Academic-general
6.	23IE1006	Animal behaviour, welfare and protection	1.	2	1				4.0	O	Academic-general
7.	23IE1007	Anatomy 2	2.	3	3				6.0	O	Theoretical-methodological
8.	23IE1008	Topographic anatomy	2.	1	1				3.0	O	Theoretical-methodological
9.	23IE1009	Biochemistry	2.	4	3				7.0	O	Theoretical-methodological
10.	23IE1010	Veterinary genetics	2.	2	2				4.0	O	Scientific-professional
11.	23IE1011	Botany	2.	1	1				2.0	O	Academic-general
12.	23IE1012	Histology with embryology 1	2.	3	2				5.0	O	Theoretical-methodological
Elective courses: In the first semester, students choose 4 ECTS in total from Elective Block 1A (1-5). In the second semester, students choose 3 ECTS in total from Elective Block 1B (6-9).											
1.	23IE1101	Veterinary profession and society	1.	2	0				2.0	E	Academic-general
2.	23IE1102	Medical terminology - english	1.	2	0				2.0	E	Academic-general
3.	23IE1103	Psychosocial aspects of animal husbandry	1.	0	2				2.0	E	Academic-general
4.	23IE1104	Experimental chemistry	1.	0	2				2.0	E	Theoretical-methodological
5.	23IE1105	Physics fundamentals of diagnostic and therapeutic methods	1.	0	2				2.0	E	Theoretical-methodological
6.	23IE1106	Introduction to veterinary clinical practice	2.	1	2				3.0	E	Theoretical-methodological
7.	23IE1107	Introduction to veterinary laboratory practice	2.	1	2				3.0	E	Theoretical-methodological
8.	23IE1108	Breeding and care of wild and exotic animals	2.	1	2				3.0	E	Theoretical-methodological
9.	23IE1109	Breeding and care of honey bees	2.	1	2				3.0	E	Theoretical-methodological
Total class hours (lectures + practicals, DON, other classes) and ECTS per year				29	27				60.0		
Total hours of teaching per year				56					60.0		

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2nd YEAR											
13.	23IE2001	Histology with embryology 2	3.	3	3				6.0	O	Theoretical-methodological
14.	23IE2002	Physiology 1	3.	4	3				7.0	O	Scientific-professional
15.	23IE2003	Microbiology and immunology 1	3.	3	3				6.0	O	Scientific-professional
16.	23IE2004	Animal nutrition 1	3.	3	3				5.0	O	Theoretical-methodological
17.	23IE2005	Animal breeding 1	3.	2	2				5.0	O	Theoretical-methodological
18.	23IE2006	Physiology 2	4.	4	3				8.0	O	Scientific-professional
19.	23IE2007	Microbiology and immunology 2	4.	3	2				6.0	O	Scientific-professional
20.	23IE2008	Animal nutrition 2	4.	2	2				5.0	O	Theoretical-methodological
21.	23IE2009	Animal breeding 2	4.	2	2				4.0	O	Theoretical-methodological
22.	23IE2010	Parasitology 1	4.	3	2				5.0	O	Scientific-professional
Elective courses: In the third semester, students choose 1 ECTS from Elective Block 2A (10-11). In the fourth semester, students choose 2 ECTS in total from Elective Block 2B (12-14).											
10.	23IE2101	Medicinal and poisonous plants of the Balkans	3.	1	0				1.0	E	Academic-general
11.	23IE2102	Aquaristics	3.	1	0				1.0	E	Scientific-professional
12.	23IE2103	Breeding and care of caged birds	4.	1	1				2.0	E	Scientific-professional
13.	23IE2104	Aquaculture and fisheries	4.	1	1				2.0	E	Scientific-professional
14.	23IE2105	Molecular-genetic methods in veterinary medicine	4.	1	1				2.0	E	Theoretical-methodological
Total class hours (lectures + practicals, DON, other classes) and ECTS per year				31	26				60.0		
Total hours of teaching per year				57					60.0		

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3rd YEAR											
23.	23IE3001	Parasitology 2	5.	1	1				2.0	O	Scientific-professional
24.	23IE3002	General pathology	5.	4	3				8.0	O	Scientific-professional
25.	23IE3003	Pathophysiology	5.	3	3				6.0	O	Scientific-professional
26.	23IE3004	Pharmacology and toxicology 1	5.	3	2				5.0	O	Scientific-professional
27.	23IE3005	General clinical diagnostics and propeutics	5.	2	4				7.0	O	Professional-applied
28.	23IE3006	Bee diseases	6.	1	1				2.0	O	Professional-applied
29.	23IE3007	Special pathology	6.	4	3				7.0	O	Scientific-professional
30.	23IE3008	Pharmacology and toxicology 2	6.	4	2				6.0	O	Scientific-professional
31.	23IE3009	Animal hygiene and herd health	6.	4	4				8.0	O	Theoretical-methodological
32.	23IE3010	Fish diseases	6.	1	1				3.0	O	Professional-applied
33.	23IE3011	Anesthesiology	6.	1	1				2.0	O	Professional-applied
Elective courses: In the fifth semester, students choose 2 ECTS in total from Elective Block 3A (15-17). In the sixth semester, students choose 2 ECTS in total from Elective Block 3B (18-20).											
15.	23IE3101	Cynology and felinology	5.	2	0				2.0	E	Scientific-professional
16.	23IE3102	Breeding and welfare of sport horses	5.	2	0				2.0	E	Scientific-professional
17.	23IE3103	Breeding and care of farm animals	5.	2	0				2.0	E	Scientific-professional
18.	23IE3104	Protection and rescue of animals in emergency situations	6.	2	0				2.0	E	Scientific-professional
19.	23IE3105	Sport medicine of horses	6.	2	0				2.0	E	Scientific-professional
20.	23IE3106	Rearing and nursing of dogs and cats	6.	2	0				2.0	E	Professional-applied
Total class hours (lectures + practicals, DON, other classes) and ECTS per year				32	25				60.0		
Total hours of teaching per year				57					60.0		

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4th YEAR											
34.	23IE4001	Diagnostic imaging	7.	3	2				6.0	O	Professional-applied
35.	23IE4002	General surgery	7.	2	2				5.0	O	Professional-applied
36.	23IE4003	Obstetrics and reproduction 1	7.	3	4				7.0	O	Professional-applied
37.	23IE4004	Diseases of ruminants 1	7.	3	2				5.0	O	Professional-applied
38.	23IE4005	One health	7.	1	0				2.0	O	Professional-applied
39.	23IE4006	Basic principles of food hygiene	7.	2	0				3.0	O	Theoretical-methodological
40.	23IE4007	Specialised surgery	8.	3	3				6.0	O	Professional-applied
41.	23IE4008	Obstetrics and reproduction 2	8.	3	3				6.0	O	Professional-applied
42.	23IE4009	Diseases of ruminants 2	8.	3	2				6.0	O	Professional-applied
43.	23IE4010	Wild animal diseases	8.	1	1				2.0	O	Professional-applied
44.	23IE4011	Economics and management in veterinary medicine	8.	3	2				4.0	O	Academic-general
45.	23IE4012	Milk hygiene and technology	8.	4	2				6.0	O	Professional-applied
Elective courses: In the seventh semester, students choose 2 ECTS in total from Elective Block 4 (21-24).											
21.	23IE4101	Pharmacognosy	7.	1	1				2.0	E	Scientific-professional
22.	23IE4102	Tropical diseases	7.	1	1				2.0	E	Scientific-professional
23.	23IE4103	Physical therapy	7.	1	1				2.0	E	Professional-applied
24.	23IE4104	Radioecology	7.	1	1				2.0	E	Scientific-professional
Total class hours (lectures + practicals, DON, other classes) and ECTS per year				32	24				60.0		
Total hours of teaching per year				56					60.0		

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5th YEAR											
46.	23IE5001	Diseases of equides	9.	4	3				6.0	O	Professional-applied
47.	23IE5002	Diseases of dogs and cats 1	9.	2	2				5.0	O	Professional-applied
48.	23IE5003	Infectious diseases of animals with epizootiology 1	9.	3	2				5.0	O	Professional-applied
49.	23IE5004	Poultry diseases	9.	3	2				6.0	O	Professional-applied
50.	23IE5005	Meat hygiene and technology 1	9.	3	2				5.0	O	Professional-applied
51.	23IE5006	Ethics and communication in veterinary medicine	9.	1	0				3.0	O	Scientific-professional
52.	23IE5007	Diseases of dogs and cats 2	10.	2	2				4.0	O	Professional-applied
53.	23IE5008	Infectious diseases of animals with epizootiology 2	10.	3	2				5.0	O	Professional-applied
54.	23IE5009	Swine disease	10.	3	2				5.0	O	Professional-applied
55.	23IE5010	Meat hygiene and technology 2	10.	4	3				6.0	O	Professional-applied
56.	23IE5011	Radiobiology with radiation hygiene	10.	1	2				2.0	O	Scientific-professional
57.	23IE5012	Veterinary laws and regulations	10.	2	1				2.0	O	Academic-general
58.	23IE5013	Forensic veterinary medicine	10.	1	2				4.0	O	Scientific-professional
59.	23IE5LP	Extramural summer clinical practice	10.					2 weeks 80 hours	2.0	O	
Total class hours (lectures + practicals, DON, other classes) and ECTS per year				32	25				60.0		
Total hours of teaching per year				57					60.0		

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6th YEAR											
Clinical Rotation - Block 1 "Clinic"											
60.	23IE6001	Clinical pathology of pets	11.			4		2 weeks	2.0	O	Professional-applied
61.	23IE6002	Clinical pathology of farm animals	11.			4		2 weeks	2.0	O	Professional-applied
62.	23IE6003	Clinical pathology of equidae	11.			2		1 week	1.0	O	Professional-applied
63.	23IE6004	Urgent and mobile clinic	11.			2		1 week	1.0	O	Professional-applied
Clinical Rotation -Block 2 - "Hygiene and technology of food of animal origin, Administrative veterinary medicine, Laboratory practice"											
64.	23IE6005	Food hygiene and technology of animal origin	11.			2		1 week	1.0	O	Professional-applied
65.	23IE6006	Administrative veterinary medicine	11.			1		1 week	1.0	O	Professional-applied
66.	23IE6007	Laboratory practice	11.			1		1 week	1.0	O	Professional-applied
Elective courses in the field of graduate thesis: In the eleventh semester, students with the mentor consent choose 18 ECTS in total from Elective Block 5. Common list with the two elected courses from the entitled field.											
25.	23IE6101	Clinical pathology and therapy of social animals	11.	1		2	3		9.0	E	Professional-applied
26.	23IE6102	Diagnostic procedures in internal medicine of social animals	11.	1		2	3		9.0	E	Professional-applied
27.	23IE6103	Breeding, pathology and therapy of farm animals	11.	1		2	3		9.0	E	Professional-applied
28.	23IE6104	Farm biosecurity	11.	1		2	3		9.0	E	Professional-applied
29.	23IE6105	Preventive veterinary medicine	11.	1		2	3		9.0	E	Professional-applied
30.	23IE6106	Veterinary practice in organic livestock production	11.	1		2	3		9.0	E	Professional-applied
31.	23IE6107	Control of food of animal origin	11.	1		2	3		9.0	E	Professional-applied
32.	23IE6108	Integrated food control	11.	1		2	3	</			