

STUDY PROGRAMME CURRICULUM VETERINARY MEDICINE

2023/2024

Name of study programme	Veterinary medicine
Programme characteristics	
Type	single cycle master's
Cycle	master
University of Ljubljana members	• Veterinary Faculty, Gerbičeva ulica 60, 1000 Ljubljana, Slovenija

Year 1, compulsory

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0037541	Anatomy of Domestic Animals	Gregor Fazarinc	105	0	180	0	0	225	510	17	All-year	no
2.	0188219	Biochemistry 1	Petra Zrimšek	105	0	49	0	0	86	240	8	All-year	no
3.	0188220	Genetics	Jelka Zabavnik Piano	45	5	10	0	0	60	120	4	2nd semester	no
4.	0037545	Fodder, Poisonous and Medicinal Plants	Klemen Eler	15	0	15	0	10	50	90	3	2nd semester	no
5.	0107037	Animal Production	Peter Dovč	49	0	36	0	10	85	180	6	2nd semester	no
6.	0037547	Cell Biology	Milka Vrecl Fazarinc	33	0	15	0	0	72	120	4	1st semester	no
7.	0037548	Histology with Embryology 1	Milka Vrecl Fazarinc	30	0	30	0	0	90	150	5	2nd semester	no
8.	0188225	Animal hygiene, physiology of nutrition and environmental management	Breda Jakovac Strajn, Martin Dobeic	65	5	36	0	10	94	210	7	1st semester	no

9.	0067429	Elective predmet 1 - zimski		30	0	30	0	30	0	90	3	1st semester	yes
10.	0069224	Elective predmet 1 - poletni		30	0	30	0	30	0	90	3	2nd semester	yes
Total				507	10	431	0	90	762	1800	60		

Year 1, Elective – winter semester

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0037468	English	Andreja Drašler	0	0	45	0	0	45	90	3	1st semester	yes
2.	0037472	Veterinary Informatics	Miha Mraz	30	0	15	0	0	45	90	3	1st semester	yes
3.	0037034	Sports		45	0	0	0	0	0	45	3	1st semester	yes
4.	0037475	Biophysical Principles of Clinical Diagnostic Methods	Jure Derganc	15	15	15	0	0	45	90	3	1st semester	yes
Total				90	15	75	0	0	135	315	12		

Year 1, Elective – summer semester

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0037469	Veterinary medical terminology	Breda Čop	30	0	0	0	0	60	90	3	2nd semester	yes
2.	0037470	History of Veterinary Medicine	Andrej Pengov	30	0	0	0	0	60	90	3	2nd semester	yes
3.	0107032	Comunication Skills in Veterinary Medicine 1	Metka Kuhar	15	30	0	0	0	45	90	3	2nd semester	yes
4.	0037035	The Methodology of Scientific Research	Jelka Zabavnik Piano	15	15	0	0	0	60	90	3	2nd semester	yes
Total				90	45	0	0	0	225	360	12		

Year 2, compulsory

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0107034	Parasitology	Aleksandra Vergles Rataj	60	0	30	0	0	150	240	8	2nd semester	no
2.	0107035	Veterinary physiology	Nina Čebulj Kadunc, Robert Frangež	110	10	90	0	0	150	360	12	All-year	no
3.	0107036	Microbiology and immunology	Andrej Pengov	120	0	75	0	0	195	390	13	All-year	no
4.	0188239	Animal Welfare, Ethics and Legislation 1	Martin Dobeic	15	15	0	0	5	55	90	3	1st semester	no
5.	0037554	Histology with embryology 2	Milka Vrecl Fazarinc	45	0	45	0	0	120	210	7	1st semester	no
6.	0188241	Pathology 1	Tanja Švara	75	0	30	0	0	15	120	4	2nd semester	no
7.	0188242	Feed safety	Breda Jakovac Strajn	40	0	34	0	0	76	150	5	2nd semester	no
8.	0188243	Biochemistry 2	Petra Zrimšek	30	6	15	0	0	99	150	5	1st semester	no
9.	0069225	Elective predmet 2		30	0	30	0	30	0	90	3		yes
		Total		525	31	349	0	35	860	1800	60		

Year 2, Elective

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0037468	English	Andreja Drašler	0	0	45	0	0	45	90	3	1st semester	yes
2.	0037469	Veterinary medical terminology	Breda Čop	30	0	0	0	0	60	90	3	2nd semester	yes
3.	0037470	History of Veterinary Medicine	Andrej Pengov	30	0	0	0	0	60	90	3	2nd semester	yes

4.	0107032	Comunication Skills in Veterinary Medicine 1	Metka Kuhar	15	30	0	0	0	45	90	3	2nd semester	yes
5.	0037472	Veterinary Informatics	Miha Mraz	30	0	15	0	0	45	90	3	1st semester	yes
6.	0037034	Sports		45	0	0	0	0	0	45	3	1st semester	yes
7.	0037035	The Methodology of Scientific Research	Jelka Zabavnik Piano	15	15	0	0	0	60	90	3	2nd semester	yes
8.	0037475	Biophysical Principles of Clinical Diagnostic Methods	Jure Derganc	15	15	15	0	0	45	90	3	1st semester	yes
Total				180	60	75	0	0	360	675	24		

Year 3, compulsory

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0037543	Biostatistics	Maja Pohar Perme	20	0	10	0	0	60	90	3	1st semester	no
2.	0188254	Pathophysiology	Robert Frangež	100	2	36	0	0	192	330	11	1st semester	no
3.	0037557	Pharmacology and Toxicology	izr. prof. dr. Tomaž Snoj	69	6	60	0	5	130	270	9	All-year	no
4.	0534512	Animal and Environmental Hygiene	Martin Dobeic	30	10	25	0	10	45	120	4	2nd semester	no
5.	0160997	Food safety 1	Andrej Kirbiš	40	0	0	0	0	50	90	3	2nd semester	no
6.	0107053	Basic Clinical Science	Modest Vengušt	60	0	0	30	0	120	210	7	All-year	no
7.	0037561	Surgery and Ophtalmology	Vladimira Erjavec	60	0	48	12	0	90	210	7	2nd semester	no
8.	0188261	Pathology 2	Tanja Švara	45	0	60	0	0	165	270	9	1st semester	no
9.	0069226	Elective predmet 3		30	0	30	0	30	0	90	3		yes

10.	0037558	Diagnostic maging techiquies in veterinary medicine	Aleksandra Domanjko Petrič	15	10	5	15	0	75	120	4	2nd semester	no
Total				469	28	274	57	45	927	1800	60		

Year 3, Elective

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0037468	English	Andreja Drašler	0	0	45	0	0	45	90	3	1st semester	yes
2.	0037469	Veterinary medical terminology	Breda Čop	30	0	0	0	0	60	90	3	2nd semester	yes
3.	0037470	History of Veterinary Medicine	Andrej Pengov	30	0	0	0	0	60	90	3	2nd semester	yes
4.	0107032	Comunication Skills in Veterinary Medicine 1	Metka Kuhar	15	30	0	0	0	45	90	3	2nd semester	yes
5.	0037472	Veterinary Informatics	Miha Mraz	30	0	15	0	0	45	90	3	1st semester	yes
6.	0188268	Anatomy of Laboratory and Exotic Animals	Valentina Kubale Dvojmoč	30	0	5	5	5	45	90	3	1st semester	yes
7.	0037482	Microbiology Practical Course	Andrej Pengov	0	0	15	30	0	45	90	3	2nd semester	yes
8.	0037034	Sports		45	0	0	0	0	0	45	3	1st semester	yes
9.	0037035	The Methodology of Scientific Research	Jelka Zabavnik Piano	15	15	0	0	0	60	90	3	2nd semester	yes
10.	0037485	Small Animal Orthopedic and Neurology Diagnostic	Bojan Zorko	5	0	0	30	0	55	90	3	2nd semester	yes
11.	0037486	Experimental Pathophysiology and Toxinology	Robert Frangež	10	5	0	20	0	55	90	3	2nd semester	yes

12.	0037475	Biophysical Principles of Clinical Diagnostic Methods	Jure Derganc	15	15	15	0	0	45	90	3	1st semester	yes
13.	0183422	Behavioural neurobiology	Gregor Majdič	15	30	5	10	0	30	90	3	1st semester	yes
Total				240	95	100	95	5	590	1125	39		

Year 4, compulsory

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0107050	Epizootiology	Ivan Toplak	30	0	5	0	0	55	90	3	2nd semester	no
2.	0107070	Reproduction of Domestic Animals with Obstetrics	Marjan Kosec	110	0	35	45	10	160	360	12	All-year	no
3.	0037568	Veterinary Economics	Emil Erjavec, Jaka Žgajnar	20	10	0	0	0	60	90	3	2nd semester	no
4.	0037570	Veterinary sanitary control of animals for slaughter and meat	Andrej Kirbiš	45	0	75	0	0	90	210	7	All-year	no
5.	0107098	Diseases and Health Care of Fish and Bees	Vlasta Jenčič	35	4	26	0	10	75	150	5	All-year	no
6.	0037569	Diseases and Health Care of Equines	Peter Kruljc	70	4		56	10	160	300	10	All-year	no
7.	0188283	Diseases and Health Care of Ruminants	Jože Starič	85	0	20	60	10	125	300	10	All-year	no
8.	0188956	Animal welfare, ethics and legislation 2	Alenka Dovč	15	15	0	0	5	55	90	3	1st semester	no
9.	0069227	Elective predmet 4		30	0	30	0	30	0	90	3		yes

10.	0176557	Animal Clinical Nutrition	Breda Jakovac Strajn	40	0	30	0	0	50	120	4	2nd semester	no
Total				480	33	221	161	75	830	1800	60		

Year 4, Elective

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0037468	English	Andreja Drašler	0	0	45	0	0	45	90	3	1st semester	yes
2.	0037469	Veterinary medical terminology	Breda Čop	30	0	0	0	0	60	90	3	2nd semester	yes
3.	0037470	History of Veterinary Medicine	Andrej Pengov	30	0	0	0	0	60	90	3	2nd semester	yes
4.	0107032	Comunication Skills in Veterinary Medicine 1	Metka Kuhar	15	30	0	0	0	45	90	3	2nd semester	yes
5.	0037472	Veterinary Informatics	Miha Mraz	30	0	15	0	0	45	90	3	1st semester	yes
6.	0188268	Anatomy of Laboratory and Exotic Animals	Valentina Kubale Dvojmoč	30	0	5	5	5	45	90	3	1st semester	yes
7.	0037482	Microbiology Practical Course	Andrej Pengov	0	0	15	30	0	45	90	3	2nd semester	yes
8.	0037495	Ecotoxicology in Veterinary Medicine	izr. prof. dr. Tomaž Snoj	15	15	10	0	5	45	90	3	1st semester	yes
9.	0037497	Pathomorphological Practice	Tanja Švara	2	5	23	0	0	60	90	3	2nd semester	yes
10.	0037034	Sports		45	0	0	0	0	0	45	3	1st semester	yes
11.	0037035	The Methodology of Scientific Research	Jelka Zabavnik Piano	15	15	0	0	0	60	90	3	2nd semester	yes
12.	0037499	Health Care of Small Ruminants	Jože Starič, Jožica Ježek	8	10	0	12	0	60	90	3	2nd semester	yes

13.	0037501	Parasitological Practical Course	Aleksandra Vergles Rataj	5	0	0	25	0	60	90	3	2nd semester	yes
14.	0037486	Experimental Pathophysiology and Toxinology	Robert Frangež	10	5	0	20	0	55	90	3	2nd semester	yes
15.	0037475	Biophysical Principles of Clinical Diagnostic Methods	Jure Derganc	15	15	15	0	0	45	90	3	1st semester	yes
16.	0037505	Surgery Practical Course	Vladimira Erjavec		0	33	12	0	45	90	3	1st semester	yes
17.	0183422	Behavioural neurobiology	Gregor Majdič	15	30	5	10	0	30	90	3	1st semester	yes
18.	0107253	Use of experimental/laboratory animals in research	Gregor Majdič, Jelka Zabavnik Piano	30	3	7	0	0	80	120	4	1st semester	yes
Total				295	128	173	114	10	885	1605	55		

Year 5, compulsory

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0107071	Diseases and health care of pigs	Marina Štukelj	85	2	0	58	10	115	270	9	2nd semester	no
2.	0107072	Diseases and Health Care Of Poultry	Olga Zorman Rojs	75	0	35	10	10	140	270	9	1st semester	no
3.	0188306	Canine and Feline Medicine	Nataša Tozon	75	0	0	80	0	175	330	11	All-year	no
4.	0188307	Diseases and health care of birds, small mammals and reptiles	Joško Račnik	40	5	0	24	0	111	180	6	1st semester	no
5.	0037577	Diseases, Breeding and Health Care of Wildlife Species	Gorazd Vengušt	30	0	15	0	10	65	120	4	2nd semester	no

6.	0188308	Administrative and Forensic Veterinary Medicine	Mitja Gombač	80	30	15	0	0	175	300	10	All-year	no
7.	0188309	Food safety 2	Andrej Kirbiš	70	0	85	0	15	70	240	8	All-year	no
8.	0069228	Elective predmet 5		30	0	30	0	30	0	90	3		yes
		Total		485	37	180	172	75	851	1800	60		

Year 5, Elective

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0188268	Anatomy of Laboratory and Exotic Animals	Valentina Kubale Dvojmoč	30	0	5	5	5	45	90	3	1st semester	yes
2.	0037482	Microbiology Practical Course	Andrej Pengov	0	0	15	30	0	45	90	3	2nd semester	yes
3.	0037495	Ecotoxicology in Veterinary Medicine	izr. prof. dr. Tomaž Snoj	15	15	10	0	5	45	90	3	1st semester	yes
4.	0037496	Cynology for Veterinarians	Aleksandra Domanjko Petrič	15	0		0	15	60	90	3	1st semester	yes
5.	0037510	Ethology in Animal Health Care	Martin Dobeic		30	0	0	0	60	90	3	2nd semester	yes
6.	0037511	Practice of Reproduction	Janko Mrkun	0	0	0	45	0	45	90	3	1st semester	yes
7.	0037512	Rearing Conditions and Health Care of Rabbits	Olga Zorman Rojs	20	0	2	8	0	60	90	3	2nd semester	yes
8.	0037513	Rearing Conditions and Health Care of Reptiles and other Exotic Animals	Alenka Dovč	30	5	0	10	0	45	90	3	2nd semester	yes
9.	0037497	Pathomorphological Practice	Tanja Švara	2	5	23	0	0	60	90	3	2nd semester	yes

10.	0037499	Health Care of Small Ruminants	Jože Starič, Jožica Ježek	8	10	0	12	0	60	90	3	2nd semester	yes
11.	0037501	Parasitological Practical Course	Aleksandra Vergles Rataj	5	0	0	25	0	60	90	3	2nd semester	yes
12.	0037486	Experimental Pathophysiology and Toxinology	Robert Frangež	10	5	0	20	0	55	90	3	2nd semester	yes
13.	0037519	Equine lameness evaluation wet-lab	Modest Vengušt	6	0	0	30	0	54	90	3	1st semester	yes
14.	0037505	Surgery Practical Course	Vladimira Erjavec		0	33	12	0	45	90	3	1st semester	yes
15.	0107521	Ruminant podiatry	Jože Starič	10	6	0	14	0	60	90	3	1st semester	yes
16.	0107522	Biosafety	Tadej Malovrh	10	10	1	24	0	45	90	3	2nd semester	yes
17.	0107536	Cytopathological practice	Nataša Tozon, Tanja Švara	13	0	19	4	0	54	90	3	1st semester	yes
18.	0107578	Zoonoses	Peter Hostnik	45	15	15	0	0	45	120	4	1st semester	yes
19.	0107627	Advanced surgery in cattle	Ožbalt Podpečan	10	20	0	15	0	45	90	3	2nd semester	yes
20.	0107253	Use of experimental/laboratory animals in research	Gregor Majdič, Jelka Zabavnik Piano	30	3	7	0	0	80	120	4	1st semester	yes
Total				259	124	130	254	25	1068	1860	62		

Year 6, compulsory

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0107122	Extramural clinical rotations	Modest Vengušt	0	0	0	0	330	0	330	11	All-year	no

2.	0109016	Clinical rotations	Modest Vengušt	0	0	0	70	590		660	22	All-year	no
3.	0183481	Student research assignment	Breda Jakovac Strajn	0	0	0	0	5	85	90	3	1st semester	no
4.	0109018	Final exam for obtaining the title of doctor of veterinary medicine		0	0	0	0	0	180	180	6	2nd semester	no
5.	0069229	Elective predmet 6 - zimski 1		30	0	30	0	30	0	90	3	1st semester	yes
6.	0069230	Elective predmet 6 - zimski 2		30	0	30	0	30	0	90	3	1st semester	yes
7.	0069231	Elective predmet 6 - zimski 3		30	0	30	0	30	0	90	3	1st semester	yes
8.	0069232	Elective predmet 6 - poletni 1		30	0	30	0	30	0	90	3	2nd semester	yes
9.	0069233	Elective predmet 6 - poletni 2		30	0	30	0	30	0	90	3	2nd semester	yes
10.	0069234	Elective predmet 6 - poletni 3		30	0	30	0	30	0	90	3	2nd semester	yes
Total				180	0	180	70	1105	265	1800	60		

Year 6, Elective – winter semester

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0037495	Ecotoxicology in Veterinary Medicine	izr. prof. dr. Tomaž Snoj	15	15	10	0	5	45	90	3	1st semester	yes
2.	0037496	Cynology for Veterinarians	Aleksandra Domanjko Petrič	15	0		0	15	60	90	3	1st semester	yes
3.	0037511	Practice of Reproduction	Janko Mrkun	0	0	0	45	0	45	90	3	1st semester	yes

								of study					
1.	0037510	Ethology in Animal Health Care	Martin Dobeic		30	0	0	0	60	90	3	2nd semester	yes
2.	0037512	Rearing Conditions and Health Care of Rabbits	Olga Zorman Rojs	20	0	2	8	0	60	90	3	2nd semester	yes
3.	0037513	Rearing Conditions and Health Care of Reptiles and other Exotic Animals	Alenka Dovč	30	5	0	10	0	45	90	3	2nd semester	yes
4.	0037497	Pathomorphological Practice	Tanja Švara	2	5	23	0	0	60	90	3	2nd semester	yes
5.	0037533	Cardiology of Dogs and Cats	Aleksandra Domanjko Petrič	10	0	0	20	0	60	90	3	2nd semester	yes
6.	0037534	Equine Sports Medicine	Modest Vengušt	10	0	0	20	0	60	90	3	2nd semester	yes
7.	0037535	Clinical Oncology in Veterinary Medicine	Nataša Tozon	16	6	0	23	0	45	90	3	2nd semester	yes
8.	0037536	Herd Health Management Course	Andrej Pengov	0	30	0	0	0	60	90	3	2nd semester	yes
9.	0037098	Health Management in Aquaculture	Vlasta Jenčič	10	2	15	15	3	45	90	3	2nd semester	yes
10.	0037499	Health Care of Small Ruminants	Jože Starič, Jožica Ježek	8	10	0	12	0	60	90	3	2nd semester	yes
11.	0037501	Parasitological Practical Course	Aleksandra Vergles Rataj	5	0	0	25	0	60	90	3	2nd semester	yes
12.	0037101	Honeybee Society and its Diseases	Vlasta Jenčič	10	2	15	20	3	40	90	3	2nd semester	yes
13.	0037486	Experimental Pathophysiology and Toxinology	Robert Frangež	10	5	0	20	0	55	90	3	2nd semester	yes
14.	0107522	Biosafety	Tadej Malovrh	10	10	1	24	0	45	90	3	2nd semester	yes
15.	0107627	Advanced surgery in cattle	Ožbalt Podpečan	10	20	0	15	0	45	90	3	2nd semester	yes

16.	0109020	Communication skills in veterinary medicine 2	Metka Kuhar	15	30	0	0	0	45	90	3	2nd semester	yes
17.	0183522	Busines and entrepreneurship in veterinary medicine	Emil Erjavec, Jaka Žgajnar	15	15	0	0	0	60	90	3	2nd semester	yes
18.	0639907	Food Fraud	Urška Jamikar Ciglencečki	5	25	0	0	0	60	90	3	2nd semester	yes
Total				186	195	56	212	6	965	1620	54		