



Master's degree study programme
VETERINARY HYGIENE AND ECOLOGY



* course finished with an exam

1 st year				1 st semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
2410	HALT	Medical Terminology	MVDr. Simona Kovaříková, PhD	1	0	1
2150	HABF	Biophysics	Prof. MVDr. Petr Dvořák, CSc.	1	1	2
2360	HAVC	Chemistry	MVDr. Jiří Bednář, PhD	1	1	2
2410	HASV	Biostatistics	Mgr. Petr Linhart, PhD	1	2*	4
2420	HAZE	Agriculture Production	MVDr. Vlastimil Šimek, PhD	1	2*	4
2210	HADP	Types and Composition of Foodstuffs	Assoc. Prof. MSc. Dani Dordevic, PhD	2	1*	4
2150	HABI	Biology	Prof. MVDr. Ivan Literák, CSc.	2	2*	5
1110	HAAN1	Anatomy I	Assoc. Prof. MVDr. Václav Páral, PhD	2	2	4
1110	HAHI1	Histology and Embryology I	Prof. MVDr. František Tichý, CSc.	2	2	4
Number of hours per week				13	13	
Number of exams, Number of credits					4*	30

1 st year				2 nd semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
2150	HAZO	Zoology	Prof. RNDr. Oldřich Sychra, PhD	1	1	2
2420	HABO	Botany	Mgr. Kateřina Sedláková, PhD	1	1	2
1110	HAAN2	Anatomy II	Assoc. Prof. MVDr. Václav Páral, PhD	4	6*	10
1110	HAHI2	Histology and Embryology II	Prof. MVDr. František Tichý, CSc.	2	3*	8
1200	HAFY1	Physiology I	Prof. RNDr. Eva Matalová, PhD	2	2	3
2420	HABC1	Biochemistry I	Assoc. Prof. MVDr. Radka Dobšíková, PhD	2	2	3
9750	HACZ1	Czech Language I	PhDr. Lenka Řítičková	0	2	2
Number of hours per week				12	17	
Number of exams, Number of credits					2*	30

2 nd year				3 rd semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
1200	HAFY2	Physiology II	Prof. RNDr. Eva Matalová, PhD	2	2*	7
2420	HABC2	Biochemistry II	Assoc. Prof. MVDr. Radka Dobšíková, PhD	2	2*	7
9750	HACZ	Czech Language II	PhDr. Lenka Řítičková	0	2*	2
2190	HAEK	Ecology	Prof. MVDr. Jiří Pikula, PhD, Dipl. ECZM	1	2	2
2360	HAVC1	Human Nutrition I	MVDr. Sandra Dluhošová, PhD	1	1	2
2410	HAOZ1	Animal Protection, Welfare and Ethology I	Prof. MVDr. Vladimír Večerek, CSc. MBA	1	2	3
2420	HAVD1	Animal Nutrition I	Assoc. Prof. MVDr. Radka Dobšíková, PhD	2	2	4
1240	HAMI1	Microbiology I	Prof. MVDr. Vladimír Celer, PhD	1	2	3
Number of hours per week				10	15	
Number of exams, Number of credits					3*	30

2 nd year				4 th semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
2360	HAVC2	Human Nutrition II	MVDr. Sandra Dluhošová, PhD	1	1*	2
2410	HAOZ2	Animal Protection, Welfare and Ethology II	Prof. MVDr. Vladimír Večerek, CSc. MBA	1	2*	3
2420	HAVD2	Animal Nutrition II	Assoc. Prof. MVDr. Radka Dobšíková, PhD	2	2*	4
1240	HAMI2	Microbiology II	Prof. MVDr. Vladimír Celer, PhD	1	2*	4
2420	HAZT	Animal Husbandry	Prof. Ing. David Zapletal, PhD	2	2*	3
1200	HAPF1	Pathophysiology I	MVDr. Jana Doležalová, PhD	1	2	4
1500	HAFF1	Pharmacology and Pharmacy I	MVDr. Jan Chloupek, PhD	2	2	4
1240	HAIM1	Immunology I	Prof. MVDr. Miroslav Toman, CSc.	1	1	2
1230	HAPM1	Pathological Morphology I	Assoc. Prof. MVDr. Miša Škorič, PhD	1	2	4



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2 nd year				4 th semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
Number of hours per week				12	16	
Number of exams, Number of credits					5*	30

3 rd year				5 th semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
1200	HAPF2	Pathophysiology II	MVDr. Jana Doležalová, PhD	1	2*	4
1500	HAF2	Pharmacology and Pharmacy II	MVDr. Jan Chloupek, PhD	2	2*	4
1240	HAIM2	Immunology II	Prof. MVDr. Miroslav Toman, CSc.	1	1*	3
2410	HAZH	Animal Hygiene	MVDr. Miroslav Macháček, PhD	1	2*	4
2210	HAPPO	Food Production	Assoc. Prof. MVDr. Matej Pospiech, PhD	1	1	1
1230	HAPM2	Pathological Morphology II	Assoc. Prof. MVDr. Miša Škorič, PhD	1	2	4
1230	HAPA1	Parasitology I	Prof. MVDr. Břetislav Koudela, CSc.	1	2	3
1260	HASG	Clinical Genetics	Prof. MVDr. RNDr. Petr Hořín, CSc.	2	1*	4
1660	HAKPZ	Clinical Propaedeutics of Pet Animals	Assoc. Prof. MVDr. Michal Crha, PhD	1	1	1
2360	HAMP	Food Microbiology	Assoc. Prof. MVDr. Lenka Necidová, PhD	2	2*	2
Number of hours per week				13	16	
Number of exams, Number of credits					6*	30

3 rd year				6 th semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
2410	HATX	Toxicology	Assoc. Prof. MVDr. Helena Modrá, PhD	2	2*	4
2360	HASA	Sensory Analysis of Food	Ing. František Ježek, PhD	1	2	2
1230	HAPM3	Pathological Morphology III	Assoc. Prof. MVDr. Miša Škorič, PhD	1	2*	7
1230	HAPA2	Parasitology II	Prof. MVDr. Břetislav Koudela, CSc.	1	2*	4
1680	HAPG1	Obstetrics, Gynaecology and Andrology I	Assoc. Prof. MVDr. Radovan Doležel, CSc.	2	1	2
1680	HAKPP	Clinical Propaedeutics of Farm Animals	Assoc. Prof. MVDr. Svatopluk Čech, PhD	1	1	1
1660	HAOC	General Surgery and Anaesthesiology	Prof. MVDr. Alois Nečas, PhD, MBA	2	2*	5
2360	HACP	Food Chemistry	Prof. MVDr. Lenka Vorlová, PhD	2	2*	3
2420	HAXP	Pre-clinical Practice in Food Animal Breeding	MVDr. Vlastimil Šimek, PhD		40 h**	1
2420	HAXZ	Pre-clinical Practice in Pet Animal Breeding	MVDr. Vlastimil Šimek, PhD		40 h**	1
Number of hours per week				12	14	
Number of exams, Number of credits					5*	30

**compulsory professional experience (hours/semester allowance)

4 th year				7 th semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
1680	HAPG2	Obstetrics, Gynaecology and Andrology II	Assoc. Prof. MVDr. Radovan Doležel, CSc.	1	2*	5
1680	HADPG	Day One Skills – Obstetrics and Gynaecology	Assoc. Prof. MVDr. Radovan Doležel, CSc.	0	2	1
2190	HACV	Diseases of Fish and Bees	Prof. MVDr. Miroslava Palíková, PhD	2	2*	4
2190	HAZV	Game Animal Diseases	Prof. MVDr. Jiří Pikula, PhD, Dipl. ECZM	2	2*	4
1660	HAZD	Diagnostic Imaging	MVDr. Pavel Proks, PhD	1	2*	4
1660	HAOM1	Surgery and Orthopaedics of Small Animals I	Prof. MVDr. Alois Nečas, PhD, MBA	1	0	1
1670	HAOV1	Surgery and Orthopaedics of Large Animals I	Assoc. Prof. MVDr. Markéta Sedlinská, PhD	1	0	1
1240	HAOE	General Epidemiology	Prof. MVDr. Dagmar Zendulková, CSc.	1	1	3
1660	HACM1	Diseases of Dogs and Cats I	Assoc. Prof. MVDr. Michal Crha, PhD	1	1	3



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4 th year				7 th semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
1660	HADM1	Day One Skills – Diseases of Dogs and Cats I	Assoc. Prof. MVDr. Michal Crha, PhD	0	2	1
1670	HAKO1	Diseases of Horses I	Assoc. Prof. MVDr. Markéta Sedlinská, PhD	2	0	1
2410	HADA	Information Literacy and Data Management	Mgr. Petr Linhart, PhD	0	1	1
1680	HAMM	Preventive Medicine and Heard Health Management	MVDr. Josef Prášek, PhD	1	1*	1
Number of hours per week				13	16	
Number of exams, Number of credits					5*	30

4 th year				8 th semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
2410	HAEV	Economy of Veterinary Practice	Assoc. Prof. MVDr. Vladimíra Pištěková, PhD	1	1	2
1660	HAOM2	Surgery and Orthopaedics of Small Animals II	Prof. MVDr. Alois Nečas, PhD, MBA	1	1*	3
1660	HAD0M	Day One Skills – Surgery and Orthopaedics of Small Animals	Prof. MVDr. Alois Nečas, PhD MBA	0	2	1
1670	HAOV2	Surgery and Orthopaedics of Large Animals II	Assoc. Prof. MVDr. Markéta Sedlinská, PhD	1	1*	3
1670	HADOV	Day One Skills – Surgery and Orthopaedics of Large Animals	Assoc. Prof. MVDr. Markéta Sedlinská, PhD	0	2	1
1680	HAPR1	Diseases of Swine I	Assoc. Prof. MVDr. Martin Svoboda, PhD	2	2	3
1680	HACE1	Diseases of Ruminants I	Assoc. Prof. MVDr. Svatopluk Čech, PhD	2	2	3
1660	HACM2	Diseases of Dogs and Cats II	Assoc. Prof. MVDr. Michal Crha, PhD	1	1*	3
1660	HADM2	Day One Skills – Diseases of Dogs and Cats II	Assoc. Prof. MVDr. Michal Crha, PhD	0	2	1
1670	HAKO2	Diseases of Horses II	Assoc. Prof. MVDr. Markéta Sedlinská, PhD	2	1*	3
1670	HADKO	Day One Skills – Diseases of Horses	Assoc. Prof. MVDr. Markéta Sedlinská, PhD	0	2	1
1240	HAIC1	Infectious Diseases of Animals I	Prof. MVDr. Dagmar Zendulková, CSc.	2	1	2
		<i>Compulsory Elective Course 1</i>		1	2*	3
1660	HAST1	Internship at Clinics**	Assoc. Prof. MVDr. Michal Crha, PhD		10 h	1
Number of hours per week				13	20	
Number of exams, Number of credits					5*	30

**compulsory professional experience (hours/semester allowance)

5 th year				9 th semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
1650	HACD	Poultry Diseases	Assoc. Prof. MVDr. Miša Škorič, PhD	2	1*	5
1500	HACK	Rabbit Diseases	Assoc. Prof. MVDr. Vladimír Jekl, PhD	1	1*	4
1680	HAPR2	Diseases of Swine II	Assoc. Prof. MVDr. Martin Svoboda, PhD	2	2*	5
1680	HADPR	Day One Skills – Diseases of Swine	Assoc. Prof. MVDr. Martin Svoboda, PhD	0	2	1
1680	HACE2	Diseases of Ruminants II	Assoc. Prof. MVDr. Svatopluk Čech, PhD	2	2*	5
1680	HADCE	Day One Skills – Diseases of Ruminants	Assoc. Prof. MVDr. Svatopluk Čech, PhD	0	2	1
1240	HAIC2	Infectious Diseases of Animals II	Prof. MVDr. Dagmar Zendulková, CSc.	2	1*	5
1660	HAPE	Professional Ethics and Communication	Assoc. Prof. MVDr. Michal Crha, PhD	1	0	1
		<i>Compulsory Elective Course 2</i>		1	2*	3
Number of hours per week				11	13	
Number of exams, Number of credits					6*	30



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5 th year				10 th semester		
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
2410	HAVL	Forensic and Veterinary Public Health	Assoc. Prof. MVDr. Petr Chloupek, PhD	2	2*	4
2410	HAVLE	Veterinary Legislation of EU	Assoc. Prof. MVDr. Petr Chloupek, PhD	1	1	1
2410	HADVL	Day One Skills – Veterinary Public Health	Assoc. Prof. MVDr. Petr Chloupek, PhD	0	1	1
2360	HAPJ	Inspection of Slaughter Animals and Meat	Prof. MVDr. Iva Steinhauserová, CSc., Dipl. ECVPH	1	3*	4
2360	HAHA1	Hygiene and Technology of Meat and Meat Products I	Prof. MVDr. Iva Steinhauserová, CSc., Dipl. ECVPH	2	2*	3
2360	HADKZ	Hygiene and Technology of Poultry, Rabbits and Venison	Mgr. Radka Hulánková, PhD	1	1	3
2360	HAHR	Hygiene and Technology of Fish and Fish Products	Assoc. Prof. MVDr. Šárka Bursová, PhD	1	1	2
2360	HAHP	Hygiene and Technology of Eggs and Honey	MVDr. Helena Veselá, PhD	1	1*	3
2360	HAHL1	Hygiene and Technology of Milk and Milk Products I	Prof. MVDr. Lenka Vorlová, PhD	2	2*	3
2360	HADBK	Day One Skills – Food Safety and Quality	Prof. MVDr. Iva Steinhauserová, CSc., Dipl. ECVPH	0	1	1
2360	HAHAC	HACCP	Assoc. Prof. MVDr. Lenka Necidová, PhD	1	1*	3
2360	HAST2	External Practical Training – Slaughterhouse**	MVDr. Irena Svobodová, PhD		40 h	1
2410	HAST3	External Practical Training – Veterinary Food Surveillance**	MVDr. Petra Mačáková, PhD		40 h	1
Number of hours per week				12	16	
Number of exams, Number of credits					6*	30

**compulsory professional experience (hours/semester allowance)

6 th year				11 th and 12 th semester		
Dep.	Abbrev.	Course	Guarantor	Hs/block	Finished with	Credits
1680	HAPP	Diseases of Ruminants and Swine	Assoc. Prof. MVDr. Svatopluk Čech, PhD	10 weeks ⁺	SRE	14***
1660	HAPK	Diseases of Dogs and Cats	Prof. MVDr. Alois Nečas, PhD, MBA	10 weeks ⁺	SRE	14***
1240	HAICL	Infectious Diseases of Animals and Legislation	Prof. MVDr. Dagmar Zendulková, CSc.	5 weeks**	SRE	8
2360	HAHA2	Hygiene and Technology of Meat and Meat Products II	Prof. MVDr. Iva Steinhauserová, CSc. Dipl. ECVPH	5 weeks	SRE	8
2360	HAHL2	Hygiene and Technology of Milk and Milk Products II	Prof. MVDr. Lenka Vorlová, PhD	5 weeks	SRE	8
1500	HAKD	Diseases of Poultry and Rabbits** CE SRE 1	Assoc. Prof. MVDr. Vladimír Jekl, PhD	5 weeks	SRE	8
2190	HAZR	Game, Fish and Bee Diseases CE SRE 2	Prof. MVDr. Jiří Pikula, PhD, Dipl. ECZM			
2410	HAVZ	Veterinary Protection of Public Health CE SRE 3	Assoc. Prof. MVDr. Petr Chloupek, PhD			
	HARP	Rigorous Theses CE SRE 4	supervisor			
Total number of hours, Number of partial state rigorous exams, Number of credits				40 weeks	6	60

*** 300 hours, from which 150 hours of clinical training; ⁺ block teaching includes 4 weeks of external practice;

** block teaching includes 1 week of external practice; CE SRE = compulsory elective State Rigorous Exam



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Compulsory Elective Courses						
8 th semester						
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
2150	HAABR	Antibiotic Resistance	Mgr. Ivo Papoušek, PhD	1	2*	3
1680	HAARE	Assisted Reproduction	Assoc. Prof. MVDr. Svatopluk Čech, PhD	0	2*	3
2360	HABA	Food Packaging	Ing. Klára Bartáková, PhD	1	2*	3
2420	HABK	Feed Safety	Mgr. Kateřina Sedláková, PhD	2	2*	3
2190	HADD	Disinfection, Insect Control and Rodent Control in Food Processing	Ing. Jana Sedláčková, PhD	1	2*	3
2410	HAFP	Pharmacology in Food Production	MVDr. Dagmar Vršková, PhD	1	2*	3
2190	HATHP	Hygiene and Technology of Bee Products	Assoc. Prof. MVDr. Ivana Papežíková, PhD	1	2*	3
2210	HAHV	Hygiene and Technology of Plant Origin Products	Assoc. Prof. MVDr. Matej Pospiech, PhD	1	2*	3
2360	HACHP	Food-borne Diseases	Mgr. Radka Hulánková, PhD	0	1*	3
2360	HAKOP	Food Preservation	Ing. Klára Bartáková, Ph.D.	1	2*	3
1680	HALDP	Laboratory Diagnostics in Farm Animals	Assoc. Prof. MVDr. Svatopluk Čech, PhD	1	1*	3
2360	HAML	Microbiological Laboratory Methods in Food Analysis	Assoc. Prof. MVDr. Šárka Bursová, PhD	1	2*	3
2150	HAMOB	Molecular Biology in Food Hygiene	Mgr. Ivo Papoušek, PhD	1	2*	3
2190	HAOD	Waste in Food Processing	Ing. Jana Sedláčková, PhD	1	2*	3
2210	HARK	Management of Food Quality and Safety	Mgr. Zdeňka Javůrková, PhD	1	1*	3
1240	HAVMS	Veterinary Medicine at Disasters	Assoc. Prof. MVDr. Petr Lány, PhD	1	2*	3
9 th semester						
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
2360	HACL	Chemical Laboratory Methods in Food Analysis	Ing. Klára Bartáková, PhD	1	2*	3
2190	HAMY	Hunting Game Management	Prof. MVDr. Jiří Pikula, PhD, Dipl. ECZM	2	2*	3
2150	HANVZ	Wildlife Diseases	Prof. MVDr. Pavel Šíroky, PhD	1	2*	3
1230	HAPA	Food Parasitology	Prof. MVDr. Břetislav Koudela, CSc.	1	1*	3
2210	HASP	Structure and Composition of Food	Assoc. Prof. MVDr. Matej Pospiech, PhD	1	2*	3
2360	HASY	Cheese Production	Ing. Mgr. Bohdana Mrňousová, PhD	1	2*	3
2410	HATP	Food Toxicology	Assoc. Prof. MVDr. Helena Modrá, PhD	1	2*	3
2190	HAVE	Veterinary Ecology	Prof. MVDr. Jiří Pikula, PhD, Dipl. ECZM	1	2*	3
2190	HAVT	Veterinary Ecotoxicology	Prof. MVDr. Jiří Pikula, PhD, Dipl. ECZM	1	2*	3
Elective Courses						
Dep.	Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
1670	HAJEZ	Horse Riding	Assoc. Prof. MVDr. Markéta Sedlinská, PhD	0	2	1
9760	HATV	Sport	Mgr. Jiří Chodníček	0	2	1
1 st year			1 st semester			
9750	HALA	Latin	Mgr. Jana Malá, PhD	0	2*	1
9750	HASAN	Special English	Mgr. Silvie Schüllerová, PhD	0	2*	1
1 st year			2 nd semester			
2420	HAZZ	Pet Animal Husbandry	Prof. Ing. David Zapletal, PhD	2	1*	1
2190	HAVCE	Beekeeping	Assoc. Prof. MVDr. Ivana Papežíková, PhD	1	1*	1
2 nd year			3 rd semester			
2190	HARY	Fishery	Prof. MVDr. Miroslava Palíková, PhD	1	1*	1
2 nd year			4 th semester			
2410	HAMV	Methods of Research	Prof. Ing. Eva Voslášková, PhD	1	0	1