



## Master's degree study programme VETERINARY HYGIENE AND ECOLOGY

\* course finished with an exam

1 <sup>st</sup> year			1 <sup>st</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
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
<b>Number of hours per week</b>			<b>13</b>	<b>13</b>	
<b>Number of exams, Number of credits</b>				<b>4*</b>	<b>30</b>

1 <sup>st</sup> year			2 <sup>nd</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
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 Řitičková	0	2	2
<b>Number of hours per week</b>			<b>12</b>	<b>17</b>	
<b>Number of exams, Number of credits</b>				<b>2*</b>	<b>30</b>

2 <sup>nd</sup> year			3 <sup>rd</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
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/HACZ2	Czech Language II	PhDr. Lenka Řitičková	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
<b>Number of hours per week</b>			<b>10</b>	<b>15</b>	
<b>Number of exams, Number of credits</b>				<b>3*</b>	<b>30</b>

2 <sup>nd</sup> year			4 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
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
<b>Number of hours per week</b>			<b>12</b>	<b>16</b>	



## Master's degree study programme VETERINARY HYGIENE AND ECOLOGY

\* course finished with an exam

2 <sup>nd</sup> year			4 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
<b>Number of exams, Number of credits</b>				<b>5*</b>	<b>30</b>

3 <sup>rd</sup> year			5 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
1200/HAPF2	Pathophysiology II	MVDr. Jana Doležalová, PhD	1	2*	4
1500/HAFF2	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
<b>Number of hours per week</b>			<b>13</b>	<b>16</b>	
<b>Number of exams, Number of credits</b>				<b>6*</b>	<b>30</b>

3 <sup>rd</sup> year			6 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
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
<b>Number of hours per week</b>			<b>12</b>	<b>14</b>	
<b>Number of exams, Number of credits</b>				<b>5*</b>	<b>30</b>

\*\*compulsory professional experience (hours/semester allowance)

4 <sup>th</sup> year			7 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
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
1670/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



## Master's degree study programme VETERINARY HYGIENE AND ECOLOGY

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4 <sup>th</sup> year			7 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
1660/HACM1	Diseases of Dogs and Cats I	Assoc. Prof. MVDr. Michal Crha, PhD	1	1	3
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 Herd Health Management	MVDr. Josef Prášek, PhD	1	1*	1
<b>Number of hours per week</b>			<b>13</b>	<b>16</b>	
<b>Number of exams, Number of credits</b>				<b>5*</b>	<b>30</b>

4 <sup>th</sup> year			8 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
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/HADOM	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
xxxx/HAx	<i>Compulsory Elective Course 1</i>		1	2*	3
1660/HAST1	Internship at Clinics	Assoc. Prof. MVDr. Michal Crha, PhD		10 h	1
<b>Number of hours per week</b>			<b>13</b>	<b>20</b>	
<b>Number of exams, Number of credits</b>				<b>5*</b>	<b>30</b>

\*\*compulsory professional experience (hours/semester allowance)

5 <sup>th</sup> year			9 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
1650/HACD	Poultry Diseases	Prof. MVDr. Zdeněk Knotek, CSc., Dipl. ECZM	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
xxxx/HAx	<i>Compulsory Elective Course 2</i>		1	2*	3
<b>Number of hours per week</b>			<b>10</b>	<b>14</b>	



## Master's degree study programme VETERINARY HYGIENE AND ECOLOGY

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5 <sup>th</sup> year			9 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
<b>Number of exams, Number of credits</b>				<b>6*</b>	<b>30</b>

5 <sup>th</sup> year			10 <sup>th</sup> semester		
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits (max. 30)
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	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	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
<b>Number of hours per week</b>			<b>12</b>	<b>16</b>	
<b>Number of exams, Number of credits</b>				<b>6*</b>	<b>30</b>

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

SRE = State Rigorous Exam; \* block teaching includes 4 weeks of external practice;

\*\* block teaching includes 1 week of external practice; \*\*\* 300 hours, from which 150 hours of clinical teaching



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Compulsory Elective Courses					
8 <sup>th</sup> semester					
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	PharmDr. Zuzana Šířoká, PhD	1	2*	3
2190/HATHP	Hygiene and Technology of Bee Products	Assoc. Prof. MVDr. Ivana Papežiková, 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 <sup>th</sup> semester					
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 Šířoký, 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	Assoc. Prof. MVDr. Bohumíra Janštová, 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					
Abbrev.	Course	Guarantor	Lectures (hs/week)	Practicals (hs/week)	Credits
9750/HASAN	Special English	Mgr. Silvie Schüllerová, PhD	0	2*	1
9750/HALA	Latin	Mgr. Jana Malá, PhD	0	2*	1
9760/HATV	Sport	Mgr. Jiří Chodníček	0	2	1
2190/HARY	Fishery	Prof. MVDr. Miroslava Palíková, PhD	1	1*	1
2190/HAVCE	Beekeeping	Assoc. Prof. MVDr. Ivana Papežiková, PhD	1	1*	1
2420/HAZZ	Pet Animal Husbandry	Prof. Ing. David Zapletal, PhD	2	1*	1
2410/HAMV	Methods of Research	Prof. Ing. Eva Voslášková, PhD	1	0	1
1670/HAJEZ	Horse Riding	Assoc. Prof. MVDr. Markéta Sedlinská, PhD	0	1	1