



# Master's degree study programme VETERINARY HYGIENE AND ECOLOGY



\* course finished with an exam

1 <sup>st</sup> year 1 <sup>st</sup> semester			2 <sup>nd</sup> semester		
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Medical Terminology	1	0	Zoology	1	1
Biophysics	1	1	Botany	1	1
Chemistry	1	1	Anatomy II	3	4*
Biostatistics	1	2*	Histology and Embryology II	2	3*
Agricultural Production	1	2*	Physiology I	2	2
Types and Composition of Foodstuffs	2	1*	Biochemistry I	2	2
Biology	2	2*	Czech Language I	0	2
Anatomy I	3	4			
Histology and Embryology I	2	2			
<b>Number of hours per week</b>	<b>14</b>	<b>15</b>	<b>Number of hours per week</b>	<b>11</b>	<b>15</b>
<b>Number of exams</b>		<b>4*</b>	<b>Number of exams</b>		<b>2*</b>

2 <sup>nd</sup> year 3 <sup>rd</sup> semester			4 <sup>th</sup> semester		
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Physiology II	2	2*	Human Nutrition II	1	1*
Biochemistry II	2	2*	Animal Nutrition II	2	2*
Czech Language II	0	2*	Microbiology II	1	2*
Ecology	1	2	Animal Husbandry	2	2*
Human Nutrition I	1	1	Pathophysiology I	1	2
Animal Protection, Welfare and Ethology I	1	2	Animal Protection, Welfare and Ethology II	1	2*
Animal Nutrition I	2	2	Pharmacology and Pharmacy I	2	2
Microbiology I	1	2	Immunology I	1	1
			Pathological Morphology I	1	2
<b>Number of hours per week</b>	<b>10</b>	<b>15</b>	<b>Number of hours per week</b>	<b>12</b>	<b>16</b>
<b>Number of exams</b>		<b>3*</b>	<b>Number of exams</b>		<b>5*</b>

3 <sup>rd</sup> year 5 <sup>th</sup> semester			6 <sup>th</sup> semester		
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Pathophysiology II	1	2*	Toxicology	2	2*
Pharmacology and Pharmacy II	2	2*	Sensory Analysis of Food	1	2
Immunology II	1	1*	Pathological Morphology III	1	2*
Animal Hygiene	1	2*	Parasitology II	1	2*
Food Production	1	1	Obstetrics, Gynaecology and Andrology I	2	1
Pathological Morphology II	1	2	Clinical Propaedeutics of Farm Animals	1	1
Parasitology I	1	2	General Surgery and Anesthesiology	2	2*
Clinical Genetics	2	1*	Food Chemistry	2	2*
Clinical Propaedeutics of Pet Animals	1	1	Pre-clinical Practice in Food Animal Breeding**		40 h
Food Microbiology	2	2*	Pre-clinical Practice in Pet Animal Breeding**		40 h
<b>Number of hours per week</b>	<b>13</b>	<b>16</b>	<b>Number of hours per week</b>	<b>12</b>	<b>14</b>
<b>Number of exams</b>		<b>6*</b>	<b>Number of exams</b>		<b>5*</b>

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

4 <sup>th</sup> year 7 <sup>th</sup> semester			8 <sup>th</sup> semester		
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Obstetrics, Gynaecology and Andrology II	1	2*	Economy of Veterinary Practice	1	1
Day One Skills – Obstetrics, Gynaecology and Andrology	0	2	Surgery and Orthopaedics of Small Animals II	1	1*



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

\* course finished with an exam



4 <sup>th</sup> year 7 <sup>th</sup> semester			8 <sup>th</sup> semester		
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Diseases of Fish and Bees	2	2*	Day One Skills – Surgery and Orthopaedics of Small Animals	0	2
Game Animal Diseases	2	2*	Surgery and Orthopaedics of Large Animals II	1	1*
Diagnostic Imaging	1	2*	Day One Skills – Surgery and Orthopaedics of Large Animals	0	2
Surgery and Orthopaedics of Small Animals I	1	0	Diseases of Swine I	2	2
Surgery and Orthopaedics of Large Animals I	1	0	Diseases of Ruminants I	2	2
General Epidemiology	1	1	Diseases of Dogs and Cats II	1	1*
Diseases of Dogs and Cats I	1	1	Day One Skills – Diseases of Dogs and Cats II	0	2
Day One Skills – Diseases of Dogs and Cats I	0	2	Diseases of Horses II	2	1*
Diseases of Horses I	2	0	Day One Skills – Diseases of Horses	0	2
Information Literacy and Data Management	0	1	Infectious Diseases of Animals I	2	1
Laboratory Diagnostic in Farm and Pet Animals	1	2	<i>Compulsory Elective Course 1</i>	0-2	1-2*
Preventive Medicine and Herd Health Management	1	1*	Internship at Clinics**		30 h
<b>Number of hours per week</b>	<b>14</b>	<b>18</b>	<b>Number of hours per week</b>	<b>12-14</b>	<b>19-20</b>
<b>Number of exams</b>		<b>5*</b>	<b>Number of exams</b>		<b>5*</b>

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

5 <sup>th</sup> year 9 <sup>th</sup> semester			10 <sup>th</sup> semester		
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Poultry Diseases	2	1*	Forensic and Veterinary Public Health	2	2*
Rabbit Diseases	1	1*	Veterinary Legislation of EU	1	1
Diseases of Swine II	2	2*	Day One Skills – Veterinary Public Health	0	1
Day One Skills – Diseases of Swine	0	2	Inspection of Slaughter Animals and Meat	1	3*
Diseases of Ruminants II	2	2*	Hygiene and Technology of Meat and Meat Products	2	2*
Day One Skills – Diseases of Ruminants	0	2	Hygiene and Technology of Poultry, Rabbits and Venison	1	1
Infectious Diseases of Animals II	2	1*	Hygiene and Technology of Fish and Fish Products	1	1
Professional Ethics and Communication	1	0	Hygiene and Technology of Eggs and Honey	1	1
<i>Compulsory Elective Course 2</i>	1-2	1-2*	Hygiene and Technology of Milk and Milk Products	2	2*
			Day One Skills – Food Safety and Quality	0	2
			HACCP	1	1*
			Exotic Animal Diseases	1	1*
			Day One Skills – Exotic Animal Diseases	0	1
			External Practical Training – Slaughterhouse**		40 h
			External Practical Training – Veterinary Food Surveillance**		40 h
<b>Number of hours per week</b>	<b>11-12</b>	<b>12-13</b>	<b>Number of hours per week</b>	<b>13</b>	<b>19</b>
<b>Number of exams</b>		<b>6*</b>	<b>Number of exams</b>		<b>6*</b>



# Master's degree study programme VETERINARY HYGIENE AND ECOLOGY



\* course finished with an exam

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

6 <sup>th</sup> year 11 <sup>th</sup> and 12 <sup>th</sup> semesters		
Course	Hours per block	Finished with
Diseases of Ruminants and Swine***	10 weeks*	partial SRE
Diseases of Dogs and Cats***	10 weeks*	partial SRE
Infectious Diseases of Animals and Legislation	5 weeks**	partial SRE
Hygiene and Technology of Meat and Meat Products	5 weeks	partial SRE
Hygiene and Technology of Milk and Milk Products	5 weeks	partial SRE
Diseases of Poultry and Rabbits (CE SRE 1)**	5 weeks	partial SRE
Game, Fish and Bee Diseases (CE SRE 2)		
Veterinary Protection of Public Health (CE SRE 3)		
Rigorous Theses (CE SRE 4)		
<b>Total number of hours, Number of partial SRE</b>	<b>40 weeks</b>	<b>6</b>

\* block teaching includes 4 weeks of external practice

\*\* block teaching includes 1 week of external practice

\*\*\* 300 hours, from which 150 hours is clinical teaching

SRE = State Rigorous Exam, CE SRE = Compulsory Elective Partial SRE, the student is obliged to choose one

Compulsory Elective Courses					
8 <sup>th</sup> semester			9 <sup>th</sup> semester		
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Antibiotic Resistance	1	2*	Chemical Laboratory Methods in Food Analysis	1	2*
Assisted Reproduction	0	2*	Clinical Physiology of Sport Horses	1	1*
Food Packaging	1	2*	Hunting Game Management	2	2*
Feed Safety	2	2*	Wildlife Diseases	1	2*
Disinfection, Insect Control and Rodent Control in Food Processing	1	2*	Food Parasitology	1	1*
Demonstration of Clinical Cases of Equine Diseases	0	2*	Care of Handicapped Animals	1	1*
Pharmacology in Food Production	1	2*	Case studies – Equine Diseases	0	2*
Hygiene and Technology of Bee Products	1	2*	Structure and Composition of Food	1	2*
Hygiene and Technology of Plant Origin Products	1	2*	Cheese Production	1	2*
Food-borne Diseases	0	1*	Food Toxicology	1	2*
Zoo-Animal Diseases	1	1*	Veterinary Ecology	1	2*
Food Preservation	1	2*	Veterinary Ecotoxicology	1	2*
Microbiological Laboratory Methods in Food Analysis	1	2*			
Molecular Biology in Food Hygiene	1	2*			
Waste in Food Processing	1	2*			
Parasitoses of Domestic Animals in the Tropics and Subtropics	1	2*			
Management of Food Quality and Safety	1	1*			
Veterinary Medicine at Disasters	1	2*			

Elective Courses					
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Horse Riding	0	2	Sport	0	2
1. semestr			2. semestr		
Latin	0	2*	Pet Animal Husbandry	2	1*
Special English	0	2*	Beekeeping	1	1*
3. semestr			4. semestr		
Fishery	1	1*	Methods of Research	1	0