



Master's degree programme VETERINARY HYGIENE AND ECOLOGY

* course finished with an exam

1 st year					
1 st semester			2 nd 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	4	6*
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	2	2			
Histology and Embryology I	2	2			
Number of hours per week	13	13	Number of hours per week	12	17
Number of exams		4*	Number of exams		2*

2 nd year					
3 rd semester			4 th 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 Protection, Welfare and Ethology II	1	2*
Czech Language II	0	2*	Animal Nutrition II	2	2*
Ecology	1	2	Microbiology II	1	2*
Human Nutrition I	1	1	Animal Husbandry	2	2*
Animal Protection, Welfare and Ethology I	1	2	Pathophysiology I	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
Number of hours per week	10	15	Number of hours per week	12	16
Number of exams		3*	Number of exams		5*

3 rd year					
5 th semester			6 th 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**
Number of hours per week	13	16	Number of hours per week	12	14
Number of exams		6*	Number of exams		5*

**compulsory professional experience (hours/semester allowance)



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4 th year 7 th semester			8 th semester		
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Obstetrics, Gynaecology and Andrology II	1	2*	Surgery and Orthopaedics of Small Animals II	1	1*
Day One Skills – Obstetrics and Gynaecology	0	2	Day One Skills – Surgery and Orthopaedics of Small Animals	0	2
Diseases of Fish and Bees	2	2*	Economy of Veterinary Practice	1	1
Game Animal Diseases	2	2*	Diseases of Swine I	2	2
Diagnostic Imaging	1	2*	Diseases of Ruminants I	2	2
Surgery and Orthopaedics of Small Animals I	1	0	Surgery and Orthopaedics of Large Animals II	1	1*
Surgery and Orthopaedics of Large Animals I	1	0	Day One Skills – Surgery and Orthopaedics of Large Animals	0	2
General Epidemiology	1	1	Infectious Diseases of Animals I	2	1
Diseases of Dogs and Cats I	1	1	Diseases of Dogs and Cats II	1	1*
Day One Skills – Diseases of Dogs and Cats I	0	2	Day One Skills – Diseases of Dogs and Cats II	0	2
Diseases of Horses I	2	0	Diseases of Horses II	2	1*
Information Literacy and Data Management	0	1	Day One Skills – Diseases of Horses	0	2
Preventive Medicine and Herd Health Management	1	1*	<i>Compulsory Elective Course 1</i>	0-2	1-2*
			Internship at Clinics		10 h**
Number of hours per week	13	16	Number of hours per week	12-14	19-20
Number of exams		5*	Number of exams		5*

**compulsory professional experience (hours/semester allowance)

5 th year 9 th semester			10 th 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*	HACCP	1	1*
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	1
			Hygiene and Technology of Meat and Meat Products	2	2*
			External Practical Training – Slaughterhouse		40 h**
			External Practical Training – Veterinary Food Surveillance		40 h**
Number of hours per week	11-12	12-13	Number of hours per week	12	16
Number of exams		6*	Number of exams		6*



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6 th year 11 th and 12 th 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
<i>Veterinary Protection of Public Health (CE SRE)</i>	5 weeks	partial SRE
<i>Diseases of Poultry and Rabbits (CE SRE)**</i>		
<i>Game, Fish and Bee Diseases (CE SRE)</i>		
<i>Rigorous Theses (CE SRE)</i>		
Total number of hours, Number of partial SRE	40 weeks	6

* 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					
Course	Lectures (hs/week)	Practicals (hs/week)	Course	Lectures (hs/week)	Practicals (hs/week)
Chemical Laboratory Methods in Food Analysis	1	2*	Hygiene and Technology of Bee Products	1	2*
Microbiological Laboratory Methods in Food Analysis	1	2*	Management of Food Quality and Safety	1	1*
Molecular Biology in Food Hygiene	1	2*	Food Preservation	1	2*
Food Toxicology	1	2*	Cheese Production	1	2*
Pharmacology in Food Production	1	2*	Food Packaging	1	2*
Veterinary Ecology	1	2*	Food-borne Diseases	0	1*
Veterinary Ecotoxicology	1	2*	Feed Safety	2	2*
Antibiotic Resistance	1	2*	Hunting Game Management	2	2*
Food Parasitology	1	1*	Assisted Reproduction	0	2*
Structure and Composition of Food	1	2*	Veterinary Medicine at Disasters	1	2*
Disinfection, Insect Control and Rodent Control in Food Processing	1	2*	Laboratory Diagnostics in Farm Animals	1	1*
Waste in Food Processing	1	2*	Wildlife Diseases	1	2*
Hygiene and Technology of Plant Origin Products	1	2*			

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