

**UNIVERSITY OF VETERINARY AND PHARMACEUTICAL
SCIENCES BRNO**

Faculty of Veterinary Hygiene and Ecology

Information Booklet



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<http://www.vfu.cz>

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FACULTY OF VETERINARY HYGIENE AND ECOLOGY

Faculty of Veterinary Hygiene and Ecology of the University of Veterinary and Pharmaceutical Sciences Brno is a part of the system of university education in the Czech Republic.

Faculty setting

- The faculty is located in the Central European region in the Czech Republic in the city of Brno in the precinct of the University of Veterinary and Pharmaceutical Sciences Brno.
- The university campus stretches over the area of 13 hectares.
- The university was founded in 1918 in the premises of former military quarters as Veterinary University in Brno.
- Faculty of Veterinary Hygiene and Ecology is one of the three Faculties of the Veterinary and Pharmaceutical University Brno.
- It pursues education and research in the field of veterinary medicine with the differentiation especially into the veterinary aspects of food safety and veterinary public health protection.

History of the faculty

The history of the Faculty of Veterinary Hygiene and Ecology comes out from the department of hygiene of food and raw materials of animal origin.

The conditions for development of the veterinary hygiene field were created by establishing the Czechoslovak state Veterinary university in 1918.

A separate department of meat, milk and food hygiene was founded here. In 1920 prof. MVDr. Jan Lenfeld, who created a conception of development of Czechoslovak veterinary hygiene, was appointed to manage this department. Prof. Lenfeld was in the field development followed by doc. MVDr. RNDr. Jan Hökl, who worked out a modern concept of systematic control of food processing and animal origin raw materials hygiene.

This later became an essential part of the official control of food processing and animal origin raw materials hygiene. Doc. Hökl's successors, especially prof. MVDr. RNDr. Miroslav Dobeš, CSc., and prof. MVDr. Zdeněk Matyáš, CSc., cultivated veterinary hygiene at full stretch.

Such development then in 1975 enabled the establishment of a separate study field of veterinary hygiene. On the basis of this separate study field, an independent Faculty of Veterinary Hygiene and Ecology was set up in 1990. This faculty is evaluated on the national as well as international level. On the international level it underwent successfully two evaluations (in years 1995 and 2004).

FACULTY ORGANIZATION

Within the faculty, the following nine departments are organized into four sections:

Section of Veterinary Ecology and Wildlife Diseases

- Department of Ecology and Diseases of Game, Fish and Bees
- Department of Biology and Wildlife Diseases

Section of Animal and Plant Production

- Department of Animal Nutrition
- Department of Animal Husbandry and Animal Hygiene

Section of Food of Animal Origin

- Department of Meat Hygiene and Technology
- Department of Milk Hygiene and Technology

Section of Veterinary Public Health, Animal Protection and Welfare

- Department of Veterinary Public Health and Forensic Medicine
- Department of Animal Protection, Welfare and behaviour

Section of Plant Origin Foodstuffs and Gastronomy

- Department of Gastronomy

➤ Department of Plant Origin Foodstuffs Hygiene and Technology
THE MAP OF UVPS CAMPUS



- | | |
|---|--|
| 1 Rector's Office | Hygiene & Technology |
| 2 Institute of Lifelong Learning & Informatics (Office) | Department of Vegetable Foodstuffs Hygiene |
| 3 Estate Management & Building Service | 16 Department of Foreign Languages |
| 4 Ruminant & Swine Clinic (Department of Swine) | 22 Chamber of Veterinary Surgeons |
| 5 Riding Hall | 23 Accommodation & Refreshment Centre |
| 6 Institute of Lifelong Learning & Informatics (Classroom) | 24 Study Centre, Library, Dean's Offices |
| 7 Pavilion of Prof. Klobouk | 25 Department of Ecology and Game, Fish and Bees Diseases |
| Equine Clinic | 30 Centre of Computer Technologies |
| Ruminant & Swine Clinic (Department of Ruminants) | 31 Department of Biochemistry & Biophysics |
| 10 Department of Sports & Physical Education (gym, tennis courts) | 32 Department of Veterinary Public Health and Animal Welfare |
| 12 Pavilion of Prof. Lenfeld | Department of Biology & Wildlife Diseases |
| Department of Milk Hygiene & Technology | 33 Department of Infectious Diseases & Microbiology |
| 13 Pavilion of Prof. Hökl | 34 Department of Anatomy, Histology & Embryology |
| Department of Meat Hygiene & Technology | Department of Physiology, Fatstock Abattoir |
| 14 Department of Animal Genetics | 43 Pavilion of Clinics of Small Animals |
| 15 Pavillion of Prof. Kabát | Small Animal Clinic, Avian & Exotic Animal Clinic |
| Department of Animal Nutrition | Small Animal Clinical Laboratory |
| Department of Animal Husbandry & Animal | |

Field of study – Veterinary Hygiene and Ecology

MASTER'S STUDY PROGRAMME

Study: Standard length of study in the field of Veterinary Hygiene and Ecology is six years. The study is finished by a state rigorous exam and the graduates are given the academic degree “Veterinary Medicine Doctor” (abbreviation „MVDr.“ in the front of the name). The study is represented by veterinary education with the differentiation into the field of veterinary public health protection focused especially on food safety and quality, health and hygienic harmlessness of food and animal origin raw materials, veterinary ecology and infectious diseases and epizootology connected to food and animal origin raw materials. Already the basic subjects at the beginning of the study create theoretical and methodical background for following subjects of broader theoretical basis, which conceptually profile the valuable medically-biological perspective of a future graduate. At the same time, in this period is deepened recognition of both methodical and theoretical principles of possible food dangers (biological, chemical and physical) and their diagnosis. Especially the last third of the study is focused on deepening and extension of knowledge of different food technologies with the emphasis on mastering hygienic principles in particular (including proceedings based on HACCP standards) in connection with their legislative framework.

Career: The graduates are qualified for jobs in supervision of food of animal origin during their manufacturing, distribution and sale, in agricultural and food inspection, in environmental protection inspection, in retail sale supervision, in veterinary institutes, laboratories and research institutes, as well as in private veterinary clinics.

Study plan

Master study programme

Veterinary Hygiene and Ecology

1 st year of study			1 st semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
9750/HALT	Medical Terminology and Ethics	Prof. MVDr. Vladimír Večerek, CSc., MBA	1	0	1
2110/HABF	Biophysics	Prof. MVDr. Petr Dvořák, CSc.	1	1	2
2110/HAVC	Chemistry	MVDr. Jiří Bednář, Ph.D.	1	1	2
2390/HASV	Biostatistics	Doc. RNDr. Iveta Bedáňová, Ph.D.	1	2*	4
2230/HAZE	Agriculture Production	MVDr. Miroslav Macháček, Ph.D.	1	2*	4
2210/HADP	Types and Composition of Foodstuffs	Doc. MVDr. Bohuslava Tremlová, Ph.D.	2	1*	4
2150/HABI	Biology	Prof. MVDr. Ivan Literák, CSc.	2	2*	5
1110/HAAN1	Anatomy I	Doc. MVDr. Václav Páral, Ph.D.	2	2	4
1110/HAHI1	Histology and Embryology I	Prof. MVDr. František Tichý, CSc.	2	2	4
9750/HACZ	Czech Language	PhDr. Lenka Řitičková	0	2*	2
Number of exams				4*	
				Total	32
			2 nd semester		
2150/HAZO	Zoology	RNDr. Oldřich Sychra, Ph.D.	1	1	2
2220/HABO	Botany	MVDr. Eva Štercová, Ph.D.	1	1	2
1110/HAAN2	Anatomy II	Doc. MVDr. Václav Páral, Ph.D.	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, Ph.D.	2	2	4
2110/HABC1	Biochemistry I	MVDr. Vladimír Kopřiva, Ph.D.	2	2	4
Number of exams				2*	
				Total	30

* ... finished with an exam

2 nd year of study			3 rd semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
1200/HAFY2	Physiology II	Prof. RNDr. Eva Matalová, Ph.D.	2	2*	7
2110/HABC2	Biochemistry II	MVDr. Vladimír Kopřiva, Ph.D.	2	2*	7
2190/HAEK	Ecology	Prof. MVDr. Jiří Pikula, Ph.D.	1	2	2
2340/HAVC1	Human Nutrition I	Ing. Hana Zachovalová, Ph.D.	1	1	2
2390/HAOZ1	Animal Protection and Ethology I	Prof. MVDr. Vladimír Večerek, CSc., MBA	1	2	3
2220/HAVD1	Animal Nutrition I	Prof. Ing. Eva Straková, Ph.D.	2	2	4
1240/HAMI1	Microbiology I	Prof. MVDr. Vladimír Celer, Ph.D.	1	2	3
Number of exams				3*	
				Total	28
			4 th semester		
2340/HAVC2	Human Nutrition II	Ing. Hana Zachovalová, Ph.D.	1	1*	2
2390/HAOZ2	Animal Protection and Ethology II	Prof. MVDr. Vladimír Večerek, CSc., MBA	1	2*	3
2220/HAVD2	Animal Nutrition II	Prof. MVDr. Ing. Pavel Suchý, CSc.	2	2*	4
1240/HAMI2	Microbiology II	Prof. MVDr. Vladimír Celer, Ph.D.	1	2*	4
2230/HAZT	Animal Husbandry	Doc. Ing. David Zapletal, Ph.D.	2	2*	3
1200/HAPF1	Patophysiology I	MVDr. J. Tomenendálová, Ph.D.	1	2	4
1500/HAFF1	Pharmacology and Pharmacy I	MVDr. J. Chloupek, Ph.D.	2	2	4
1240/HAIM1	Immunology I	Prof. MVDr. Miroslav Toman, CSc.	1	1	2
1230/HAPM1	Pathological Morphology I	Doc. MVDr. Miša Škorič, Ph.D.	2	2	4
Number of exams				5*	
				Total	30

* ... finished with an exam

3 rd year of study			5 th semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
1200/H1PF2	Patophysiology II	MVDr. J. Tomenendálová, Ph.D.	1	2*	4
1500/H1FF2	Pharmacology and Pharmacy II	MVDr. Jan Chloupek, Ph.D.	2	2*	4
1240/H1IM2	Immunology II	Prof. MVDr. Miroslav Toman, CSc.	1	1*	3
2230/H1ZH	Animal Hygiene	MVDr. Miroslav Macháček, Ph.D.	1	2*	4
2210/H1PPO	Food Production	MVDr. Matej Pospiech, Ph.D.	1	1	1
1230/H1PM2	Pathological Morphology II	Doc. MVDr. Miša Škorič, Ph.D.	2	2	4
1230/H1PA1	Parasitology I	Prof. MVDr. Břetislav Koudela, CSc.	1	2	3
1260/H1SG	Special Genetics	Prof. MVDr. RNDr. Petr Hořín, CSc.	2	1*	4
1660/H1KPZ	Clinical Propaedeutics of Pets	Doc. MVDr. Michal Crha, Ph.D.	1	1	1
2340/H1CP1	Food Chemistry and Microbiology I	Prof. MVDr. Lenka Vorlová, Ph.D.	1	2	2
Number of exams				5*	
				Total	30
			6 th semester		
2390/H1TX	Toxicology	MVDr. M. Hostovský, Ph.D.	2	2*	4
2350/H1SA	Sensory Analysis of Food	Ing. František Ježek, Ph.D.	1	2	2
1230/H1PM3	Pathological Morphology III	Doc. MVDr. Miša Škorič, Ph.D.	2	2*	7
1230/H1PA2	Parasitology II	Prof. MVDr. Břetislav Koudela, CSc.	1	2*	5
1680/H1PG1	Obstetrics, Gynaecology and Andrology I	Doc. MVDr. Radovan Doležel, CSc.	2	1	2
1680/H1KPP	Clinical Propaedeutics of Food Animals	Doc. MVDr. Svatopluk Čech, Ph.D.	1	1	1

1660/H1OC	General Surgery and Anaesthesiology	Prof. MVDr. Alois Nečas, Ph.D., MBA	2	2*	5
2340/H1CP2	Food Chemistry and Microbiology II	Prof. MVDr. Lenka Vorlová, Ph.D.	1	2*	3
2340/H1ST1	Extramural Work – Laboratory Diagnostics	Doc. MVDr. Bohuslava Janštová, Ph.D.		40	1
Number of exams				5*	
				Total	30

* ... finished with an exam

4 th year of study			7 th semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
1680/H1PG2	Obstetrics, Gynaecology and Andrology II	Doc. MVDR. Radovan Doležel, CSc.	1	2*	6
1680/H1DPG	Skills – Obstetrics and Gynaecology and Andrology	Doc. MVDr. Radovan Doležel, CSc.	0	1	1
2190/H1CV	Fish and Bees Diseases	Prof. MVDr. Stanislav Navrátil, CSc.	2	2*	4
2190/H1ZV	Wildlife Diseases	Prof. MVDr. Jiří Pikula, Ph.D.	2	2*	4
1670/H1ZD	Diagnostic Imaging Technique	MVDr. Pavel Proks, Ph.D.	1	2*	5
1660/H1OM1	Small Animal Surgery and Orthopedy I	Prof. MVDr. Alois Nečas, Ph.D., MBA	1	0	0
1670/H1OV1	Large Animal Surgery and Orthopedy I	Doc. MVDr. Markéta Sedlinská, Ph.D.	1	0	0
1240/H1OE	General Epizootology	Prof. MVDr. Dagmar Zendulková, CSc.	1	1	3
1660/H1CM1	Small Animal Diseases I	Doc. MVDr. Michal Crha, Ph.D.	1	1	3
1660/H1DM1	Skills – Small Animal Diseases	Doc. MVDr. Michal Crha, Ph.D.	0	1	1
1670/H1KO1	Equine Diseases I	Doc. MVDr. Markéta Sedlinská, Ph.D.	2	0	0
xxxx/H1VP1	Compulsory Elective Subject 1		1	2*	3
Number of exams				5*	
				Total	30
8 th semester					
2390/H1EV	Economy of Veterinary Practice	Doc. MVDr. Vladimíra Pištěková, Ph.D.	1	1	2
1660/H1OM2	Small Animal Surgery and Orthopedy II	Prof. MVDr. Alois Nečas, Ph.D., MBA	1	1*	3
1660/H1DOM	Skills – Small Animal Surgery and Orthopedy	Prof. MVDr. Alois Nečas, Ph.D., MBA	0	1	1
1670/H1OV2	Large Animal Surgery and Orthopedy II	Doc. MVDr. Markéta Sedlinská, Ph.D.	1	1*	3
1670/H1DOV	Skills – Large Animal Surgery and Orthopedy	Doc. MVDr. Markéta Sedlinská, Ph.D.	0	1	1
1680/H1PR1	Porcine Diseases I	Doc. MVDr. Martin Svoboda, Ph.D.	2	2	3
1680/H1CE1	Ruminants Diseases I	Doc. MVDr. Svatopluk Čech, Ph.D.	2	2	3
1660/H1CM2	Small Animal Diseases II	Doc. MVDr. Michal Crha, Ph.D.	1	1*	3
1660/H1DM2	Skills – Small Animal Diseases	Doc. MVDr. Michal Crha, Ph.D.	0	1	1
1670/H1KO2	Equine Diseases II	Doc. MVDr. Markéta Sedlinská, Ph.D.	2	1*	3
1670/H1DKO	Skills – Equine Diseases	Doc. MVDr. Markéta Sedlinská, Ph.D.	0	1	1
1240/H1IC1	Infectious Diseases of Animals I	Prof. MVDr. Dagmar Zendulková, CSc.	2	1	2
xxxx/H1VP2	Compulsory Elective Subject 2		1	2*	3
2900/H1ST2	Extramural Work – Clinics			10 h	1

Number of exams		5*	
		Total	30

* ... finished with an exam

5 th year of study			9 th semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
1650/H1CD	Poultry Diseases	Prof. MVDr. Zdeněk Knotek, CSc. Dipl. ECZM	2	1*	5
1650/H1CK	Rabbit and Fur Animal Diseases	Prof. MVDr. David Modrý, Ph.D.	1	1*	5
1680/H1PR2	Porcine Diseases II	Doc. MVDr. Martin Svoboda, Ph.D.	2	2	5
1680/H1DPR	Skills – Porcine Diseases	Doc. MVDr. Martin Svoboda, Ph.D.	0	1	1
1680/H1CE2	Ruminant Diseases II	Doc. MVDr. Svatopluk Čech, Ph.D.	2	2	5
1680/H1DCE	Skills – Ruminant Diseases	Doc. MVDr. Svatopluk Čech, Ph.D.	0	1	1
1240/H1IC2	Infectious Animal Diseases II	Prof. MVDr. František Tremel, CSc.	2	1*	5
xxxx/H1VP3	Compulsory Elective Subject 3		1	2*	3
Number of exams				4*	
				Total	30
10 th semester					
2390/H1VL	Forensic and Veterinary Public Health	Doc. MVDr. Petr Chloupek, Ph.D.	2	2*	4
2390/H1VLE	Veterinary Legislation of EU	Doc. MVDr. Petr Chloupek, Ph.D.	1	1	1
2350/H1PJ	Inspection of Slaughter Animals and Meat	Prof. MVDr. Iva Steinhauserová, CSc.	1	3*	5
2350/H1HA1	Hygiene and Technology of Meat and Meat Products I	Prof. MVDr. Iva Steinhauserová, CSc.	2	2	3
2350/H1DKZ	Hygiene and Technology of Poultry, Rabbits and Game	Prof. MVDr. Iva Steinhauserová, CSc.	1	1	2
2350/H1HR	Hygiene and Technology of Fish and Fish Products	Doc. MVDr. Hana Buchtová, Ph.D.	1	1	2
2350/H1HP	Hygiene and Technology of Eggs and Honey	Prof. MVDr. Iva Steinhauserová, CSc.	1	1*	3
2340/H1HL1	Hygiene and Technology of Milk and Milk Products I	Prof. MVDr. Lenka Vorlová, Ph.D.	2	2	3
2340/H1HAC	HACCP	MVDr. Lenka Necidová, Ph.D.	1	1*	3
xxxx/H1VP4	Compulsory Elective Subject 4		1	2*	3
2350/H1ST3	Extramural Work – Slaughterhouse, Food Company			40 h	1
Number of exams				5*	
				Total	30

* ... finished with an exam

6 th year of study					
Code of subject	Subject		Block course h/block	Finalization	Credits
Abbrev.	Title	Guarantor			
1680/H1PP	Ruminant and Porcine Diseases	Doc. MVDr. Svatopluk Čech, Ph.D.	0/600	State Examination	30
1240/H1ICL	Infectious Diseases of Animals and Legislation	Prof. MVDr. Dagmar Zendulková, CSc. Doc. MVDr. Petr Chloupek, Ph.D.	0/150	State Examination	8
2350/H1HA2	Hygiene and Technology of Meat and Meat	Prof. MVDr. Iva Steinhauserová, CSc.	0/150	State Examination	8

	Products II				
2340/H1HL2	Hygiene and Technology of Milk and Milk Products II	Prof. MVDr. Lenka Vorlová, Ph.D.	0/150	State Examination	8
2390/H1VZ	Veterinary Protection of Public Health	Doc. MVDr. Petr Chloupek, Ph.D.	0/150	State Examination	6

Compulsory Elective Subjects

Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits
2340/H1CL	Chemical Laboratory Methods in Food Analysis	Prof. MVDr. Lenka Vorlová, Ph.D.	1	2*	3
2340/H1ML	Microbiological Laboratory Methods in Food Analysis	MVDr. Lenka Necedová, Ph.D.	1	2*	3
2150/H1MOB	Molecular Biology in Food Hygiene	Mgr. Ivo Papoušek, Ph.D.	1	2*	3
2110/H1IM	Instrumental Methods of Food Analysis	Mgr. Petr Maršálek, Ph.D.	2	1*	3
2110/H1BP	Food Biochemistry	MVDr. Vladimír Kopriva, Ph.D.	2	1*	3
2390/HTP	Toxicology of Food	MVDr. Martin Hostovský, Ph.D.	1	2*	3
2190/H1VE	Veterinary Ecology	Prof. RNDr. Miroslava Beklová, CSc.	1	2*	3
2190/H1VT	Veterinary Ecotoxicology	Prof. MVDr. Jiří Pikula, Ph.D. Dipl. ECZM	1	2*	3
2390/H1FP	Pharmacology in Food Production	MVDr. Radka Dobšíková, Ph.D.	1	2*	3
2150/H1ABR	Antibiotic Resistance	Mgr. Ivo Papoušek, Ph.D.	1	2*	3
1230/H1PA	Food Parasitology	Prof. MVDr. Břetislav Koudela, CSc.	1	1*	3
2110/H1RB	Radiobiology in Food	Prof. MVDr. Petr Dvořák, CSc.	1	2*	3
2190/H1CR	Chemistry of Food Chains	Mgr. Kateřina Kobelková, Ph.D.	1	2*	3
2190/H1ZP	Environmental Chemistry	Mgr. Kateřina Kobelková, Ph.D.	1	2*	3
2210/H1SP	Food Structure and Composition	MVDr. Matej Pospiech, Ph.D.	1	2*	3
2340/H1PT	Food Engineering	Ing. Klára Bartáková, Ph.D.	1	2*	3
2340/H1BA	Food Packaging	Ing. Klára Bartáková, Ph.D.	1	2*	3
2340/H1KOP	Food Preservation	Prof. MVDr. Lenka Vorlová, Ph.D.	1	2*	3
2190/H1DD	Disinfection, Insect Control and Rodent Control in Food Processing	Ing. Jana Sedláčková, Ph.D.	1	2*	3
2190/H1OD	Waste from Processing, Distribution and Sale	Mgr. Kateřina Kobelková, Ph.D.	1	2*	3
2210/H1HV	Hygiene and Technology of Plant Origin Products	MVDr. Matej Pospiech, Ph.D.	1	2*	3
2190/H1THP	Technology and Hygiene of Bee Products	Prof. MVDr. Stanislav Navrátil, CSc.	1	2*	3
2350/H1PRY	Hygiene and Technology of Fishery Products	Doc. MVDr. Hana Buchtová, Ph.D.	0	1*	3
2350/H1VXM	Veterinary Practice in the Production and Processing of Meat	MVDr. Ladislav Kašpar, Ph.D.	0	1*	3
2340/H1VPP	Veterinary Practice in Milk Production	Doc. MVDr. Bohumíra Janštová, Ph.D.	0	2*	3
2340/H1VPM	Veterinary Practice in Processing of Milk	Doc. MVDr. Bohumíra Janštová, Ph.D.	0	2*	3
2340/H1SY	Cheese Production	Doc. MVDr. Bohumíra Janštová, Ph.D.	1	2*	3
2210/H1RK	Food Quality and Safety Management	Doc. MVDr. Bohuslava Tremlová, Ph.D.	1	1*	3

2350/H1CHP	Food-borne Diseases	Prof. MVDr. Iva Steinhauserová, CSc.	0	1*	3
1680/H1LDP	Laboratory Diagnostics in Food Animals	Doc. MVDr. Svatopluk Čech, Ph.D.	1	1*	3
1690/H1PMP	Production and Preventive Porcine Medicine	Doc. MVDr. Martin Svoboda, Ph.D.	0	2*	3
1680/H1PMR	Production and Preventive Ruminant Medicine	MVDr. Jana Šmídková	1	2*	3
1240/H1VMS	Veterinary Medicine in Disaster	Doc. MVDr. Petr Lány, Ph.D.	1	2*	3
1680/H1ARE	Assisted Reproductive Technology	Doc. MVDr. Svatopluk Čech, Ph.D.	0	2*	3
1500/H1VKL	Development, Production and Control of Drugs	MVDr. Jan Chloupek, Ph.D.	1	2*	3
2220/H1BK	Feed Safety	MVDr. Eva Štercová, Ph.D.	2	2*	3
2190/H1MY	Hunting	Prof. MVDr. Jiří Pikula, Ph.D.	1	2*	3

Elective subjects					
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits
9750/H1LA	Latin Language	PhDr. Radoslava Šenkýřová, PhD.	0	2*	1
2190/H1RY	Fishing	Doc. MVDr. Miroslava Palíková, Ph.D.	1	1*	1
2190/H1VCE	Beekeeping	Prof. MVDr. Stanislav Navrátil, CSc.	1	1*	1
1670/H1JEZ	Riding	MVDr. Markéta Sedlinská, Ph.D.	0	1	1
9760/H1TV	Sport	PaeDr. Jan Kubernát	0	2	1
2390/H1MV	Methods of Research	Doc. Ing. Eva Voslářová, Ph.D.	1	0	1
2150/H1NVZ	Epidemiology in Animal Populations	Doc. MVDr. Pavel Široký, Ph.D.	1	2*	3
2230/H1ZZ	Breeding of Pets	Doc. Ing. David Zapletal, Ph.D.	2	1*	3
xxxx/H1RIP	Rigorous Thesis	–	0	10*	8

* ... finished with an exam

Field of study – Food Safety and Quality

BACHELOR'S STUDY PROGRAMME

Study: The study in Bachelor's Study Programme in the field of Food Safety and Quality requires a period of three years. The graduates are awarded by the academic degree “Bachelor of Science” (abbreviation „Bc.“ in the front of the name).

Career: The graduates of the Bachelor's Study Programme in this field are qualified for jobs in food industry in medium-level management, in state and private laboratories for food analysis as laboratory technicians and medium-level laboratory management, as well as in government administration as technicians for the inspection of manufacturing, distribution and retail sale of food.

Study plan

academic year 2015 /2016

Bachelor's study programme, full-time study

Food Safety and Quality

1st year of study			1st semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
2150/H3BI	Biology and Molecular Biology Techniques	Prof. MVDr. Ivan Literák, CSc	2	2*	4
2240/H3BF	Food Biophysics	Prof. MVDr. Petr Dvořák, CSc.	1	2*	3
1110/H3AN	Anatomy and Physiology of Slaughter Animals	Doc. MVDr. Václav Páral, Ph.D.	3	2*	5
2220/H3HP	Farm Animal Nutrition	Prof. Ing. Eva Straková, Ph.D.	2	2*	4
2230/H3CO	Food Animal Husbandry	Doc. Ing. David Zapletal, Ph.D.	1	1*	4
2340/H3PT	Food Production Ingeneering and Technology	Ing. Klára Bartáková, Ph.D.	2	2*	5
9750/HACZ	Czech Language	Mgr. Silvie Schüllerová. Ph.D.	0	2	3
2150/H3ZP	Zoology of Animals for Food Production <i>(Compulsory elective subject)</i>	Doc. RNDr. Oldřich Sychra, Ph.D.	1	2	2
9760/H3TV	Physical Education <i>(Compulsory elective subject)</i>	PaeDr. Jan Kubernát	0	2	2
Number of exams				6*	
				Total	30
			2nd semestr		
2230/H3ZH	Animal Hygiene and Veterinary Prevention	MVDr. Miroslav Macháček, Ph.D.	2	1*	4
2390/H3BW	Animal Protection and Welfare	Doc. Ing. Eva Voslářová, Ph.D.	2	2*	4
2220/H3PS	Production of Food Materials of Plant Origin	Prof. Ing. Eva Straková, Ph.D.	2	1*	4
2230/H3PZ	Production of Food Materials of Animal Origin	Doc. Ing. David Zapletal, Ph.D.	2	1*	4
2240/H3AS	Analysis of Materials of Plant Origin	Ing. Jana Doležalová, Ph.D.	1	2*	4
2210/H3DP	Types and Composition of Foodstuffs	MSc. Dani Dordevic, Ph.D.	2	2*	4
2190/H3EP	Ecology in Food Production	Prof. MVDr. Jiří Pikula, Ph.D., Dipl. ECZM	2	1	3
2220/H3BK	Feed Safety <i>(Compulsory elective subject)</i>	Prof. Ing. Eva Straková, Ph.D.	1	2	3
2190/H3ZK	Ecology of Agricultural Landscape <i>(Compulsory elective subject)</i>	Prof. MVDr. Jiří Pikula, Ph.D. Dipl. ECZM	1	2	3
Number of exams				6*	
				Total	30

* ... finished with an exam.

2 nd year of study			3 rd semester		
Abbrev.	Title	Guarantor	Lecture h/week	Lesson h/week	Credits (max. 30)
1230/H3PAZ	Pathological Anatomy of Slaughter Animals	Doc. MVDr. Miša Škorič, Ph.D.	2	2*	3
2340/H3CP	Food Chemistry and Chemical Laboratory Methods	Prof. MVDr. Lenka Vorlová, Ph.D.	4	4*	5
2390/H3BOW	Biochemistry of Food and Biochemical Laboratory Methods	MVDr. Vladimír Kopřiva, Ph.D.	2	1*	3
2390/H3TX	Food Toxicology and Toxicological Laboratory Methods	MVDr. Martin Hostovský, Ph.D.	1	1*	3
2340/H3VC	Human Nutrition	Ing. Hana Zachovalová, Ph.D.	2	2*	5
2380/H3ME	Marketing, Management and Economy	Doc. MVDr. Vladimíra Pištěková, Ph.D.	2	1*	2
2390/H3BX	Methodology of Bachelor Thesis	Doc. Ing. Eva Voslášková, Ph.D.	1	0	1
	Bachelor Thesis I	Supervisor	0	3	5
2390/H3IM	Instrumental Methods of Food Analysis (<i>Compulsory elective subject</i>)	Mgr. Petr Maršálek, Ph.D.	2	1	3
2190/H3MY	Hunting (<i>Compulsory elective subject</i>)	Prof. MVDr. Jiří Pikula, Ph.D., Dipl. ECZM	2	2*	3
Number of exams				6-7*	
				Total	30
3 rd year of study			4 th semester		
2390/H3FAP	Pharmacology in Food Production	MVDr. Radka Dobšíková, Ph.D.	1	1*	2
2350/H3SAP	Sensory Analysis of Food	Doc. MVDr. Hana Buchtová, Ph.D.	1	3*	4
2390/H3NH	Farm Animal Diseases	Prof. MVDr. Vladimír Večerek, CSc., MBA	2	1*	2
1240/H3NZ	Infectious Diseases of Animals	Doc. MVDr. Petr Lány, Ph.D.	2	2*	2
2340/H3MI	Food Microbiology and Microbiological Laboratory Methods	Doc. MVDr. Lenka Vorlová, Ph.D.	3	4*	4
2190/H3ODV	Waste in Food Industry, Distribution and Sale	Prof. MVDr. Jiří Pikula, Ph.D. Dipl. ECZM	2	2*	3
2390/H3ST	Biostatistics	Doc. RNDr. Iveta Bedáňová, Ph.D.	1	1	3
2150/H3BPL	Bachelor Thesis – Literary Knowledge	prof. MVDr. Pavel Široký, Ph.D.	0	2	2
	Bachelor Theses II	Supervisor	0	3	4
2340/H3XA	Food-examination Laboratory Practice**	Doc. MVDr. Bohumíra Janštová, Ph.D.		40 h	2
2240/H3RH	Radiation Hygiene in Food Industry (<i>Compulsory elective subject</i>)	Prof. MVDr. Petr Dvořák, CSc.	1	1	2
2150/H3MB	Molecular-Biologic Analysis of Food (<i>Compulsory elective subject</i>)	Mgr. Ivo Papoušek, Ph.D.	1	1	2
Number of exams				6*	
				Total	30

* ... finished with an exam

** ... Compulsory practice – 2 weeks

3 rd year of study			5 th semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
2350/H3HZ	Technology and Hygiene of Animal Origin Foodstuffs	Doc. MVDr. Hana Buchtová, Ph.D.	2	3*	5
2210/H3HR	Technology and Hygiene of Plant	Doc. MVDr. Bohuslava	2	3*	5

	Origin Foodstuffs	Tremlová, Ph.D.			
2240/H3PP	Technology of Meat Preparation	MVDr. Josef Kameník, CSc. MBA	1	1*	2
2350/H3PJ	Inspection of Slaughter Animals and Meat Products	Prof. MVDr. Iva Steinhauserová, CSc.	2	3*	4
2210/H3NP	Danger from Foodstuffs	Mgr. Zdeňka Javůrková, Ph.D.	2	1*	2
2380/H3VL	Veterinary and Food Legislation	doc. MVDr. Petr Chloupek, Ph.D.	3	2*	4
xxxx/H3BX2	Bachelor Theses III	Supervisor	0	6	4
2340/H3XP	Practice in the Food Industry	Doc. MVDr. Bohumíra Janštová, Ph.D.		40 h	2
2210/H3SR	Composition and Structure of Food (Compulsory elective subject)	MVDr. Matej Pospiech, Ph.D.	1	2	2
2150/H3PR	Food Parasitology (Compulsory elective subject)	Prof. MVDr. Pavel Široký, Ph.D.	1	2	2
Number of exams				6*	
				Total	30
6th semester					
2210/H3TDS	Technology and Hygiene Food Processing, Distribution and Retail	Doc. MVDr. Bohuslava Tremlová, Ph.D.	0	30***	5
2340/H3LAS	Laboratory Food Analysis	Prof. MVDr. Lenka Vorlová, Ph.D.	0	30***	5
2380/H3MMS	Legislation, Economy, Marketing, Management	Doc. MVDr. Petr Chloupek, Ph.D.	0	30***	5
2350/H3PJS	Inspection of Slaughter Animals and Meat	Doc. MVDr. Hana Buchtová, Ph.D.	0	30***	5
2190/H3EDS	Ecological Aspects of Production, Distribution and Sale of Foodstuffs	Prof. MVDr. Stanislav Navrátil, CSc.	0	30***	5
xxxx/H3BX4	Bachelor Theses IV	Supervisor	0	30***	5
Number of exams				*** 5SE+ defence	
				Total	30

* ... finished with an exam

** ... Compulsory practice – 2 weeks

*** The Compulsory State Exam

Student will choose one of the compulsory elective subjects.

Field of study – Animal Protection and Welfare

BACHELOR'S STUDY PROGRAMME

Study: The study in Bachelor's Study Programme in the field of Animal Protection and Welfare requires a period of three years. The graduates are awarded by the academic degree “Bachelor of Science” (abbreviation „Bc.“ in the front of the name).

Career: The graduates of the Bachelor's Study Programme in this field are qualified for jobs at the Veterinary Administration Authorities in the supervision of the animal protection against cruelty (especially the control and supervision of livestock and companion animals), at the State Veterinary Institutes and laboratories analyzing biological fluids and tissues and other biological materials, at the State Administration Authorities for the protection of wildlife animals and protected animals., at the authorities that ensure the protection of endangered species under international conventions (eg. CITES) and regulations (Customs Authorities), at the institutions and enterprises engaged in animal experiments, at the Zoos, at institutions for the protection of abandoned and disabled animals (animal shelters), at state and public administration bodies using animals or coming into contact with animals in their activities (police, fire fighters), at municipal and city authorities addressing animal protection against cruelty (problems with animals in villages and towns), at organizations and business enterprises in the field of animal husbandry, animal transport, purchase and sale of animals, import and export of animals, and organizing exhibitions of animals, competitions and sports activities using animals, at organizations dealing with hippotherapy, canistherapy or other forms of animotherapy, at foundations and organizations dedicated to the protection of animals (WSPA, RSPCA), at private institutions engaged in consultancy in the field of ethology and behavioral problems of animal welfare and animal protection, at research laboratories and research institutions dealing with animal protection, animal welfare and ethology, at university education – teaching and research focused on research of wild animals, livestock or companion animals, at media communication concerning the animal welfare and protection, as well as at the international organizations dealing with animal protection (EU, etc.).

Study plan

Bachelor's study programme, full-time study

Animal Protection and Welfare

1st year of study			1st semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
2150/H6AN	Animal Biology	Doc. RNDr. Oldřich Sychra, Ph.D.	1	1*	3
2230/H6CZ	Animal Breeding	Prof. Ing. David Zapletal, Ph.D.	2	2*	4
2220/H6VZ	Animal Nutrition	Prof. Ing. Eva Straková, Ph.D.	2	2*	4
2390/H6FY	Animal Physiology	MVDr. Radka Dobšíková, Ph.D.	2	1*	4
2190/H6AN	Animal Anatomy	MVDr. Hana Bandouchová, Ph.D.	2	1*	4
2390/H6ZV1	Basics of Veterinary Care	Prof. MVDr. Vladimír Večerek, CSc. MBA	2	1*	4
2390/H6ST	Statistics and Informatics	Doc. RNDr. Iveta Bedáňová, Ph.D.	1	2	4
9750/H6SA1	Special English I	Mgr. Silvie Schlüllerová, Ph.D.	0	2	2
9760/H6TV1	Physical Education I	PaeDr. Jan Kubernát	0	2	1
Number of exams				4*	
				Total	30
			2nd semester		
2150/H6ZO	Zoology	Doc. RNDr. Oldřich Sychra, Ph.D.	1	2*	4
2390/H6ET	Ethology	Doc. Ing. Eva Voslářová, Ph.D.	2	2*	5
2390/H6WH	Welfare of Farm Animals	Doc. MVDr. Vladimíra Pištěková, Ph.D.	2	2*	5
2390/H6WS	Welfare, Stress, Pain, Suffering in Animals	Prof. MVDr. Vladimír Večerek, CSc., MBA	2	1*	5
2190/H6EZ	Ecology of Animals	MVDr. Hana Bandouchová, Ph.D.	2	2*	4

2110/H6LA1	Laboratory Testing of Samples I - Biochemistry	Doc. Ing. Jana Blahová, Ph.D.	2	2*	4
9750/H6SA2	Special English II	Mgr. Silvie Schlüllerová, Ph.D.	0	2	2
9760/H6TV2	Physical Education II	PaeDr. Jan Kubernát	0	2	1
Number of exams				6*	
				Total	30

* ... finished with an exam

2 nd year of study			3 rd semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
2390/H6WP	Welfare of Dogs and Cynology	Doc. Ing. Eva Voslářová, Ph.D.	2	1*	4
1660/H6WK	Welfare of Cats and Pet Animals (Birds, Reptiles and Small Mammals)	Prof. MVDr. Zdeněk Knotek, CSc.	2	0*	4
2390/H6WO	Welfare of Zoo Animals and Zoo Operation, , Welfare of Circus Animals and Circus Operation	Prof. MVDr. Vladimír Večerek, CSc., MBA	1	1*	3
2390/H6WU	Welfare of Abandoned Animals and Shelter Operation	Doc. Ing. Eva Voslářová, Ph.D.	1	1*	3
1670/H6WJ	Welfare of Horses and Horsemanship	MVDr. Markéta Sedlinská, Ph.D.	2	1*	4
1200/H6LA2	Laboratory Testing of Samples II – Haematology	MVDr. Jaroslava Tomendálová, Ph.D.	1	2*	5
2390/H6BP1	Bachelor Thesis I	Supervisor	1	6	5
Number of exams				5*	
				Total	30
			4 th semester		
23990/H6PP1	Animal Protection and Legislation	Prof. MVDr. Vladimír Večerek, CSc., MBA	2	2	2
2190/H6WZ	Welfare of Game Animals and Gamekeeping	Prof. MVDr. Jiří Pikula, Ph.D.	2	1*	4
2190/H6WR	Welfare of Fish and Fishery, Welfare of Bees and Beekeeping	Prof. MVDr. Stanislav Navrátil, CSc.	2	1*	4
2390/H6WV	Welfare of Experimental Animals and Animal Experimentation	Doc. Ing. Eva Voslářová, Ph.D.	2	1*	4
1200/H6LA3	Laboratory Testing of Samples III – Molecular Analysis	Prof. RNDr. Eva Matalová, Ph.D.	1	2*	5
2190/H6MY	Gamekeeping (<i>Compulsory elective subject</i>)**	Prof. MVDr. Jiří Pikula, Ph.D. Dipl. ECZM	2	2*	2
2190/H6RY	Fishery (<i>Compulsory elective subject</i>)**	Doc. MVDr. Miroslava Palíková, Ph.D.	1	1*	2
2190/H6VC	Beekeeping (<i>Compulsory elective subject</i>)**	Prof. MVDr. Stanislav Navrátil, CSc.	1	1*	2
2110/H6AK	Aquaristics (<i>Compulsory elective subject</i>)**	Prof. MVDr. Petr Dvořák, CSc.	1	1*	2
2150/H6EX	Exotic Animal Breeding (<i>Compulsory elective subject</i>)**	Doc. MVDr. Pavel Široký	1	1*	2
1260/H6GZ	Animal Genetics (<i>Compulsory elective subject</i>)**	Ing. Leona Vychodilová, Ph.D.	2	0*	2
2230/H6ZH	Farm Animal Handling (<i>Compulsory elective subject</i>)**	Doc. Ing. David Zapletal, Ph.D.	0	2*	2
2110/H6RB	Radiobiology (<i>Compulsory elective subject</i>)**	Prof. MVDr. Petr Dvořák, CSc.	1	1*	2
xxxx/H6BP2	Bachelor Thesis II	Supervisor	0	6	5
Number of exams				6*	

		Total	30
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* ... finished with an exam

** ... student will choose two of the compulsory elective subjects.

3 rd year of study			5 th semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
1680/H6PG	Animal Obstetrics and Reproduction	Doc. MVDr. Radovan Doležel, CSc.	2	0*	4
1660/H6PE	Care of Injured Animals	Prof. MVDr. Alois Nečas, Ph.D., MBA	2	0*	4
1240/H6NK	Infectious Diseases of Animals	Doc. MVDr. Petr Lány, Ph.D.	2	0*	4
2390/H6PP2	Animal Protection and Legislation II	Prof. MVDr. Vladimír Večerek, CSc., MBA	2	2*	4
1500/H6LZ	Medicines in Animal Care	MVDr. Jan Chloupek, Ph.D.	2	1*	4
2390/H6LA4	Laboratory Testing of Samples IV – Instrumental Analysis	Doc. Ing. Jana Blahová, Ph.D.	2	2*	5
xxxx/H6BP3	Bachelor Thesis III	Supervisor	0	6	5
Number of exams				5*	
				Total	30
			6 th semester		
2390/H6BP4	Bachelor Thesis IV	Supervisor	0	16	3
2390/H6PO	Practise in Animal Protection and Welfare	Doc. Ing. Eva Voslářová, Ph.D.	0	4	2
2390/H6ETO	Ethology	Doc. Ing. Eva Voslářová, Ph.D.	0	30***	5
2390/H6WE	Animal Welfare	Doc. MVDr. Vladimíra Pištěková, Ph.D.	0	30***	5
2390/H6OZ	Basics of Veterinary Care	Prof. MVDr. Vladimír Večerek, CSc., MBA	0	30***	5
2390/H6PR	Animal Protection and Legislation	Doc. MVDr. Petr Chloupek, Ph.D.	0	30***	5
2390/H6LV	Laboratory Testing of Samples	Doc. Ing. Jana Blahová, Ph.D.	0	30***	5
	Defence of Bachelor Thesis				
Number of exams				5***	
				CSE	
				Total	30

* ... finished with an exam

*** The common Compulsory State Exam from the subjects: Ethology, Animal Welfare, Animal Protection, Animal Protection Laws and Laboratory Testing of Samples

Field of study – Food Safety and Quality

CONTINUING MASTER'S STUDY PROGRAMME

Study: The study of Continuing Master's Study Programme in the field of Food Safety and Quality enquires a continuing period of two years. The graduates are awarded by the academic degree “Master of Science” (abbreviation „Mgr.“ in the front of the name).

Career: The graduates are qualified for jobs in food industry on management level, in state and private laboratories for food analysis also on management level, as well as in government administration as inspectors for the areas of food of plant origin (manufacturing, distribution and sale), and in the area of food of animal origin for the inspection of procedures taking place during sale without food processing.

Study plan

Continuing Master`s Study Programme

study field Food Safety and Quality

1 st year of study			1 st semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
2350/H2TR	Technology and Hygiene of Fish, Molluscs and Crustaceans and Products Thereof	Doc. MVDr. Hana Buchtová, Ph.D.	1	2*	2
2190/H2TP	Technology and Hygiene of Honey and Bee Products	Prof.. MVDr. Stanislav Navrátil, CSc.	1	1*	2
2210/H2HM	Hygiene and Technology of Beverages, Fruit, Vegetables, Dried Fruits, Mushrooms and their Products	Doc. MVDr. Bohuslava Tremlová, Ph.D.	2	2*	4
2210/H2HS	Hygiene and Technology of Starchy Raw materials, Oilseeds and Legumes	Doc. MVDr. Bohuslava Tremlová, Ph.D.	1	4*	4
2210/H2LR1	Laboratory Analysis of Vegetable Food I	Doc. MVDr. Bohuslava Tremlová, Ph.D.	0	2	2
2340/H2HM	Hygiene and Technology of Milk and Milk Products I	Prof. MVDr. Lenka Vorlová, Ph.D.	2	2*	4
2340/H2LM	Laboratory Analysis of Milk and Milk Products	Prof. MVDr. Lenka Vorlová, Ph.D.	0	2	2
2210/H2HG	Food Hygiene and Safety in Catering	MVDr. Josef Kameník, CSc. MBA	2	1*	2
2340/H2MD	Methodology of Thesis	Prof. MVDr. Lenka Vorlová, Ph.D.	1	0	2
xxxx/H2DP1	Diploma Thesis I	Supervisor	0	4	4
2210/H2ML	Chemical Laboratory Methods (<i>Compulsory elective subject</i>)	MVDr. Michaela Králová, Ph.D.	1	2	2
2210/H2MI	Food Microscopy (<i>Compulsory elective subject</i>)	MVDr. Matej Pospiech, Ph.D.	1	2	2
Number of exams				6*	
				Total	30
2 nd semester					
2210/H2FP	Adulterations of Foodstuff	MVDr. Matej Pospiech, Ph.D.	2	1*	2
2210/H2HC	Hygiene and Technology of Sugar, Confectionery, Flavourings and Snacks	Doc. MVDr. Bohuslava Tremlová, Ph.D.	2	2*	5
2210/H2HO	Hygiene and Technology of Milled Cereal Products, Bakery Products and Pasta	Doc. MVDr. Bohuslava Tremlová, Ph.D.	1	3*	5
2210/H2LR2	Laboratory Analysis of Vegetable	Doc. MVDr. Bohuslava Tremlová,	0	2	4

	Food II	Ph.D.			
2150/H2DPL	Diploma Thesis – Literature Knowledge	Prof. MVDr. Pavel Široký, Ph.D.	0	2	1
2210/H2RB	Management of Food Quality and Safety	Mgr. Zdeňka Javůrková, Ph.D.	1	1*	2
2340/H2HAC	HACCP	MVDr. Lenka Necidová, Ph.D.	2	1*	3
2110/H2MS	Food Protection in Emergency Situations	Mgr. Michal Žďárský, Ph.D.	1	1*	2
xxxx/H2DP2	Diploma Thesis II	Supervisor	0	4	4
2340/H2CL	Chemical Laboratory Methods (<i>Compulsory elective subject No. 2</i>)**	Prof. MVDr. Lenka Vorlová, Ph.D.	1	2	2
2340/H2MB	Microbiological Laboratory Methods (<i>Compulsory elective subject No. 2</i>)**	MVDr. Šárka Bursová, Ph.D.	1	2	2
2340/H2KP	Food Preservation (<i>Compulsory elective subject No. 2</i>)**	Prof. Lenka Vorlová, Ph.D.	1	1	2
Number of exams				6*	
				Total	30

* ... finished with an exam

** Student will choose one of the compulsory elective subjects

2 nd year of study			3 rd semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
2350/H2HV	Hygiene and Technology of Meat, Venison, Poultry and Eggs and Their Products	Prof. MVDr. Iva Steinhauserová, CSc.	2	2*	4
2350/H2LA	Laboratory Analysis of Meat, Venison, Poultry and Eggs and Their Products	Prof. MVDr. Iva Steinhauserová, CSc.	0	1	2
2190/H2EPP	Ecotoxicology of Foodstuffs	Prof. MVDr. Jiří Pikula, Ph.D. Dipl. ECZM	2	1*	2
2380/H2LD	Legislation and Supervision of Food	Doc. MVDr. Petr Chloupek, Ph.D.	2	3*	4
2350/H2CHO	Foodborn Diseases	Mgr. Radka Hulánková, Ph.D.	0	1*	2
2340/H2BP	Food Packaging	Ing. Klára Bartáková, Ph.D.	2	1*	3
2240/H2GA	Gastronomy	Doc. MVDr. Josef Kameník, CSc. MBA	2	1*	3
xxxx/H2DP3	Diploma Thesis III	Supervisor	0	6	5
2340/H2PX	Training in Food Company	Doc. MVDr. Bohumíra Janštová, Ph.D.		40 h	3
2340/H2TZ	Gastronomic Equipment (<i>Compulsory elective subject No. 3</i>)**	Ing. Klára Bartáková, Ph.D.	1	2	2
2210/H2PP	Food Retailing (<i>Compulsory elective subject No. 3</i>)**	Doc. MVDr. Bohuslava Tremlová, Ph.D.	1	1	2
2240/H2SG	Special Products in Gastronomy (<i>Compulsory elective subject No. 3</i>)**	Mgr. Kateřina Bogdanovičová, Ph.D.	1	1	2
Number of exams				6*	
				Total	30
4 th semester					
2340/H2HM2	Technology and Hygiene of Milk	Prof. MVDr. Lenka Vorlová,	0	30***	4

	and Dairy Products II	Ph.D.			
2350/H2HV2	Technology and Hygiene of Meat and Meat Products II	Prof. MVDr. Iva Steinhauserová, CSc.	0	30***	4
2210/H2HTP	Hygiene and Technology of Plant Origin Foodstuffs	Doc. MVDr. Bohuslava Tremlová, Ph.D.	0	30***	4
2210/H2AP	Foodstuffs Analysis	Doc. MVDr. Bohuslava Tremlová, Ph.D.	0	30***	4
2190/H2EP	Ecology in Foodstuff	Prof. MVDr. Jiří Pikula, Ph.D. Dipl. ECZM	0	30***	4
2390/H2LKP	Legislation and Food Control	Doc. MVDr. Petr Chloupek, Ph.D.	0	30***	4
xxxx/H2PX2	Diploma Thesis IV	Supervisor			6
Number of exams				*** 6 CSE + defence	
				Total	30

* ... finished with an exam

** ... student will choose one of the compulsory elective subjects.

*** The Compulsory State Exam

Field of study – Animal Protection and Welfare

CONTINUING MASTER'S STUDY PROGRAMME

Study: The study of Continuing Master's Study Programme in the field of Animal Protection and Welfare enquires a continuing period of two years. The graduates are awarded by the academic degree “Master of Science” (abbreviation „Mgr.“ in the front of the name).

Career: The graduates of Continuing Master's Study Programme in this field are qualified for jobs at the Veterinary Administration Authorities in the supervision of the animal protection against cruelty (especially the control and supervision of livestock and companion animals), at the State Veterinary Institutes and laboratories analyzing biological fluids and tissues and other biological materials, at the State Administration Authorities for the protection of wildlife animals and protected animals., at the authorities that ensure the protection of endangered species under international conventions (eg. CITES) and regulations (Customs Authorities), at the institutions and enterprises engaged in animal experiments, at the Zoos, at institutions for the protection of abandoned and disabled animals (animal shelters), at state and public administration bodies using animals or coming into contact with animals in their activities (police, fire fighters), at municipal and city authorities addressing animal protection against cruelty (problems with animals in villages and towns), at organizations and business enterprises in the field of animal husbandry, animal transport, purchase and sale of animals, import and export of animals, and organizing exhibitions of animals, competitions and sports activities using animals, at organizations dealing with hippotherapy, canistherapy or other forms of animotherapy, at foundations and organizations dedicated to the protection of animals (WSPA, RSPCA), at private institutions engaged in consultancy in the field of ethology and behavioral problems of animal welfare and animal protection, at research laboratories and research institutions dealing with animal protection, animal welfare and ethology, at university education – teaching and research focused on research of wild animals, livestock or companion animals, at media communication concerning the animal welfare and protection, as well as at the international organizations dealing with animal protection (EU, etc.).

Study plan

Continuing Master`s Study Programme

study field Animal Protection and Welfare

1 st year of study			1 st semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
2390/H7PC	Animal Behaviour Problems	MVDr. Radka Dobšíková, Ph.D.	2	1*	5
2220/H7PV	Animal Nutrition-related Health Disorders	Prof. Ing. Eva Straková, Ph.D.	2	1*	5
2230/H7PZ	Health problems Caused by Animal Hygiene	MVDr. Miroslav Macháček, Ph.D.	2	1*	5
2390/H7PS	Animal Health Related Disorders	PharmDr. Zuzana Šíroková, Ph.D.	1	1*	3
2390/H7LS	Laboratory Diagnostics – Animal Pain, Distress, and Suffering	Doc. Ing. Jana Blahová, Ph.D.	0	2*	5
2900/H7DP1	Diploma Thesis I	Supervisor	0	7	7
Number of exams				5*	
				Total	30
			2 nd semester		
2390/H7ZW1	Animal Protection and Welfare I	Prof. MVDr. Vladimír Večerek, CSc. MBA	2	2	4
2390/H7OD	Protection of Endangered Species, Nature and Landscape	Doc. Ing. Eva Voslářová, Ph.D.	2	1*	3
1680/H7NP	Ruminant, Swine and Poultry Diseases	Doc. MVDr. Svatopluk Čech, Ph.D.	2	1*	3
2390/H7LV	Laboratory Diagnostics – Disorders of the Internal Environment	Doc. Ing. Jana Blahová, Ph.D.	2	2*	3
1650/H7NZ	Dog, Cat and other Pet Animal	Prof. MVDr. Zdeněk Knotek,	2	0*	3

	Diseases	CSc., dipl. ECZM			
2390/H7ET	Ecotoxicology (<i>Compulsory elective subject No. 2</i>)**	Mgr. Zuzana Šíroká, Ph.D.	2	0*	3
2340/H7PL	Milk Production and Ruminant Welfare (<i>Compulsory elective subject No. 3</i>)**	Prof. MVDr. Lenka Vorlová, Ph.D.	1	1*	3
2350/H7PD	Egg Production and Poultry Welfare (<i>Compulsory elective subject No. 4</i>)**	Mgr. Radka Hulánková, Ph.D.	1	0*	3
2350/H7PM	Meat Production and Swine and Ruminant Welfare (<i>Compulsory elective subject No. 5</i>)**	Prof. MVDr. Iva Steinhauserová, CSc.	1	1*	3
2350/H7PR	Fish Production and Welfare (<i>Compulsory elective subject No. 6</i>)**	Doc. MVDr. Hana Buchtová, Ph.D.	1	1*	3
2350/H7JJ	Slaughterhouse and Animal Welfare at Slaughter (<i>Compulsory elective subject No. 7</i>)**	Prof. MVDr. Iva Steinhauserová, CSc.	1	0*	3
2150/H7LG	Laboratory diagnostics – Molecular Genetics in Animal Protection (<i>Compulsory elective subject No. 8</i>)**	Mgr. Ivo Papoušek, Ph.D.	1	1*	3
2150/H7OM	Protection of Sea and Ocean Animals (<i>Compulsory elective subject No. 9</i>)**	RNDr. Oldřich Sychra, Ph.D.	1	2*	3
2150/H7OK	Protection of Terrestrial Animals (<i>Compulsory elective subject No. 10</i>)**	Doc. MVDr. Pavel Šíroky, Ph.D.,	1	1*	3
2390/H7DPL	Diploma Thesis -	Doc. ing. Jana Blahová, Ph.D.	0	2	1
2900/H7DP2	Diploma Thesis II	Supervisor	0	7	7
Number of exams				6*	
				Total	30

* ... finished with an exam.

** ... student will choose two of the compulsory elective subjects.

2 nd year of study			3 th semester		
Abbrev.	Title	Guarantor	Lecture (h/week)	Lesson (h/week)	Credits (max. 30)
2390/H7ZW2	Animal Protection and Welfare II	Prof. MVDr. Vladimír Večerek, CSc. MBA	2	0*	4
2390/H7ZZ	Animal Rescue in Extreme Situations	Prof. MVDr. Vladimír Večerek, CSc., MBA	1	1*	3
2190/H7PH	Care of handicapped animals	Prof. MVDr. Jiří Pikula, Ph.D., dipl. ECZM	1	1*	3
2380/H7SO	State Administration in Animal Protection	Doc. MVDr. Petr Chloupek, Ph.D.	2	2*	4
2380/H7MO	Marketing and Management in Animal Protection	Doc. MVDr. Vladimíra Pištěková, Ph.D.	1	1*	4
1240/H7LA	Laboratory Diagnostics - Parasitic and Infectious Diseases	Prof. MVDr. A. Čížek, CSc.	2	2*	5
2900/H7DP1	Diploma Thesis	Supervisor	0	7	7
Number of exams				5*	
				Total	30
4 th semester					
2900/H7DP4	Diploma Thesis	Supervisor	0	16	8

2390/H7PO	Practice in Control and Supervision of Animal Protection	Doc. Ing. E. Voslářová, Ph.D.	0	56	2
2390/H7OH	SE – Protection and Welfare of Ruminants, Pigs, Horses and Poultry	Doc. MVDr. Vladimíra Pištěková, Ph.D.	0	30***	4
2390/H7OK	SE - Protection and Welfare of Dogs, Cats and other Pet Animals	Doc. Ing. E. Voslářová, Ph.D.	0	30***	4
2390/H7OP	SE - Protection and Welfare of Experimental Animals (<i>Compulsory elective subject No. 1</i>)***	Doc. Ing. E. Voslářová, Ph.D.	0	30***	4
2390/H7OV	SE - Protection and Welfare of Game and Wild Animals (<i>Compulsory elective subject No. 2</i>)***	Prof. MVDr. J. Pikula, Ph.D. dipl. ECZ.	0	30***	4
2390/H7OR	SE - Protection and Welfare of Fish and Aquatic Animals (<i>Compulsory elective subject No. 3</i>)***	Prof. MVDr. S. Navrátil, CSc.	0	30***	4
2390/H7LO	SE – State Administration in Animal Protection	Doc. MVDr. P. Chloupek, Ph.D.	0	30***	4
2390/H7LD	SE – Laboratory Diagnostics in Animal Protection	Prof. MVDr. V. Večerek, CSc., MBA	0	30***	4
	Diploma Thesis			Defence	
Number of exams				5 SE	
				Total	30

* ... finished with an exam.

** student will choose one compulsory elective partial state exam

DOCTORAL`S STUDY PROGRAMME

Study: Graduates from Master's Study Programme who demonstrate appropriate eligibility may apply for study in the Doctoral's Study Programme at the Faculty of Veterinary Hygiene and Ecology. The eligibility for study is demonstrated in particular by results of the entry examination, which consists of an interview with the panel in charge of admission for the study. The panel will in particular examine professional skills of the applicant, as well as suitability of his/her profile for scientific research and individual work in the field of research and development. The applicants will become students of Doctoral's Study Programme as of the day of registration for study. Normal period of study in Doctoral's Study Programme is four years.

The students may select one of the following fields of study in Doctoral's Study Programme:

- Food Hygiene and Processing Technology
- Diseases of Wild and ZOO Animals
- Veterinary Toxicology and Toxicology of Foodstuff
- Veterinary Ecology
- Veterinary Public Health and Animal Protection
- Nutrition and Dietetics of Farm Animals and Hygiene of Food of Plant Origin
- Veterinary Biochemistry, Chemistry and Biophysics

The curriculum consists of different courses. The course of the study and its success rate is controlled currently during the semester and by examination upon finishing the study of the given course in case the examination is required by the curriculum. The curriculum also contains a period of research work finalised by thesis describing original research results already published or accepted for publication.

The courses are delivered in the form of lectures, practical exercises, seminars and consultations, training in agricultural and food processing plants and institutions, individual practical training, courses taught abroad, individual professional practice, as well as individual study. Special emphasis is put on preparation for creative scientific work. The students graduate from the doctoral's study having successfully passed the state doctoral's examination, and after successful defence of Doctoral's Thesis. The graduates are then issued a diploma together with a certificate of state doctoral's examination, and are awarded the academic degree of „Doctor of Philosophy“ (abbreviation „Ph.D.“ behind the name).

Career: The graduates of Doctoral's Study Programme obtain the qualification for individual scientific research and individual creative work in research and development. This type of education is suitable for a career in research institutes running projects in the fields of veterinary medicine, human medicine, pharmaceuticals, animal feed, food processing, the environment, agriculture, and other related biological sciences. The graduates are also well qualified for positions of teachers and scientists at universities.

Study plan for Doctoral study programme Veterinary Hygiene and Ecology

Field : Veterinary Biochemistry, Chemistry and Biophysics

Semester	Subject	Assessment	ECTS - Credits
1	General Methods in Research	credit	20
2	Physiology	examination	30
3	Veterinary Biochemistry* / Veterinary Chemistry* / Veterinary Biophysics* / Biology* / Radiobiology* / Food Chemistry*	examination	30
4	Analytical Chemistry	examination	30
5	English language	examination	10
6	Writing of dissertation	defence	30
7	Veterinary Chemistry* / Veterinary Biochemistry* / Veterinary Biophysics*	examination**	30
Further activities (from 1 st semester of study)		minimum	20
Publication in scientific journal with impact factor			40

* Compulsory optional subject

** State doctoral examination

Field: Veterinary Ecology

Semester	Subject	Assessment	ECTS - Credits
1	General Methods in Research	credit	20
2	Food Processing Wastes* / Waste from Livestock Production*	examination	30
3	Veterinary Ecotoxicology* / Veterinary Toxicology*	examination	30
4	*Veterinary Ecology/ Infectious Diseases of Animals*/ Pathological Morphology*/Radiobiology*	examination	30
5	English language	examination	10
6	Writing of dissertation	defence	30
7	Veterinary Ecology	examination**	30
Further activities (from 1 st semester of study)		minimum	20
Publication in scientific journal with impact factor			40

* Compulsory optional subject

** State doctoral examination

Field: Veterinary Public Health and Animal Protection

Semester	Subject	Assessment	ECTS - Credits
1	General Methods in Research	credit	20
2	Infectious Diseases of Animals* / Veterinary Ecology*	examination	30

3	Veterinary Hygiene Supervision* / Veterinary Legislation*	examination	30
4	Veterinary Toxicology* / Animal Nutrition* / Veterinary Statistics*	examination	30
5	English language	examination	10
6	Writing of dissertation	defence	10
7	Veterinary Public Health* / Animal Protection*	examination**	30
Further activities (from 1 st semester of study)		minimum	20
Publication in scientific journal with impact factor			40

* *Compulsory optional subject*

** *State doctoral examination*

Field: Nutrition and Dietetics of Farm Animals and Hygiene of Food of Plant Origin

Semester	Subject	Assessment	ECTS - Credits
1	General Methods in Research	credit	20
2	Veterinary Biochemistry	examination	30
3	Physiology	examination	30
4	* Compulsory optional subject	examination	30
5	English language	examination	10
6	Writing of dissertation	defence	30
7	Animal Nutrition and Dietetics	examination**	30
Further activities (from 1 st semester of study)		minimum	20
Publication in scientific journal with impact factor			40

* *Compulsory optional subject: Toxicology, Pharmacology, Veterinary Ecology, Analytical Chemistry, Animal Hygiene, Hygiene and Technology of Products of Plant, Human Nutrition*

** *State doctoral examination*

Field: Epidemiology in Animal Populations and ZOO Animals

Semester	Subject	Assessment	ECTS - Credits
1	General Methods in Research	credit	20
2	Pathological Morphology	examination	30
3	Infectious Diseases of Animals	examination	30
4	* Compulsory optional subject	examination	30
5	English language	examination	10
6	Writing of dissertation	defence	30
7	Diseases of Game, Wild and Zoo Animals, Fishes and Bees	examination**	30
Further activities (from 1 st semester of study)		minimum	20

Publication in scientific journal with impact factor 40

* *Compulsory optional subject:* Animal Nutrition and Dietetics, Toxicology and Pharmacology, Microbiology and Immunology, Veterinary Ecology, Veterinary Parasitology

** *State doctoral examination*

Field: Food Hygiene and Processing Technology

Semester	Subject	Assessment	ECTS - Credits
1	General Methods in Research	credit	20
2	Food Chemistry	examination	30
3	Food Microbiology	examination	30
4	* Compulsory optional subject	examination	30
5	English language	examination	10
6	Writing of dissertation	defence	30
7	Food Hygiene and Processing Technology	examination **	30
Further activities (from 1 st semester of study)		minimum	20
Publication in scientific journal with impact factor			40

* *Compulsory optional subject:* Human Nutrition, Hygiene and Technology of Meat and Meat Products, Hygiene and Technology of Milk and Milk Products, Veterinary Hygiene Supervision, Infectious Diseases of Animals, Inspection of Slaughter Animals and Meat, Hygiene and Technology of Products of Plant, Hygiene and Technology of Poultry Products, HACCP

** *State doctoral examination*

Field: Veterinary Toxicology and Toxicology of Foodstuff

Semester	Subject	Assessment	ECTS - Credits
1	General Methods in Research	credit	20
2	Chemistry* / Food Chemistry*	examination	30
3	* Compulsory optional subject	examination	30
4	Forensic Veterinary Medicine* / Food Legislation*	examination	30
5	English language	examination	10
6	Writing of dissertation	defence	30
7	Veterinary Toxicology* / Toxicology of Foodstuffs*	examination **	30
Further activities (from 1 st semester of study)		minimum	20
Publication in scientific journal with impact factor			40

* *Compulsory optional subject:* Animal Nutrition, Pathological Physiology, Pathological Anatomy, Human Nutrition

** *State doctoral examination*

