Description of the study programme Animal Science – full time form of study

Name of the university: **University of Veterinary Medicine and Pharmacy in Košice**
Headquarters of the university: **Komenského 73, 041 81 Košice**
ID no. of the university: **00397474**

The authority of the university to approve of the study programme:
Accreditation Committee of the UVMP in Košice

Date of approval of the study programme: 22 August 2022
Date of the last change to the study programme description: 6 July 2022

The most recent periodic assessment of the study programme: 30 October 2015
- Decision no.: 2015-18852/46467:4-15A0, joint SP_during AY_ admission without time limitation_reaccreditation

Name of the university: University of Veterinary Medicine and Pharmacy in Košice
Name of the study programme: Animal Science
Degree of study: 1st degree

1. Basic data on the study programme

a) Name and number of the study programme according to the register of study programmes: Animal science, code 100768, UIPS code: 4320R03
b) Level of higher education and ISCED-F code of education level:
1st level/645
c) Venue of the study programme: University of Veterinary Medicine and Pharmacy in Košice and Faculty of Biosciences and Aquaculture Nord University Bodø, Norway
University headquarters: Komenského 73, 041 81 Košice and Universitetsalléeen 11, 8026 Bodø
d) The field of study in which a higher education is obtained by completing the study programme, ISCED-F code of the field of study:
Veterinary Medicine / 0841 Veterinary Medicine
e) Type of study programme:
Academically-oriented bachelor study programme; joint study programme
f) Awarded academic title:
Bachelor (abbreviation BSc.)
g) Form of study:
Full-time
h) Language in which the study programme is conducted:
English language
i) Standard length of study in academic years:
3 academic years
j) Study programme capacity, actual number of applicants and number of students enrolled:
number of students planned to be admitted - according to the approved minimum number of students admitted to the study programme AS UVMP in Košice - min. 40 students per academic year, actual number of applicants admitted in the last 3 years: 120; actual number of students enrolled in the last 3 years: 120.
k) Information about the study programme:
https://qa.uvlf.sk/en/sprg_info/?sprg_id=13

2. Profile of a graduate and aims of education

a) The educational goals of the Animal Science study programme are methodologically based on the European Qualifications Framework for Lifelong Learning (EQF). The Framework defines the requirements for learning outcomes for knowledge, skills, responsibility and independence.
For level 6, which also includes study programmes of the 1st level, practical and methodological knowledge from a key area of the field is assumed. This knowledge serves as a basis for future practice, research or artistic creation.
For level 6, the following are defined as cognitive skills – to propose solutions to methodological, professional, artistic or practical problems and to use general and professional knowledge when solving specific professional problems.
Using his practical skills, the graduate is able to propose solutions to methodological, professional, artistic or practical problems and creatively use methods, tools, devices and materials provided.
The graduate of a study programme under the level 6 is able to solve specific problems in a changing environment independently, plan his own education, be responsible for his own decision-making, present his own opinions, employ creative and flexible thinking.
Profile of a graduate of the study programme Animal Science - the graduate of the study programme Animal Science acquires knowledge about the biological laws of nature in relation to veterinary medicine, gets to know the issue of living matter in broader contexts with regard to the ecosystem and their mutual interaction. The goal of the study is to master biochemical processes, the physiology of organs and systems of microorganisms and macroorganisms (while paying attention to differences in individual animal species). The graduate has a broad knowledge of the structure and physiology of domestic animals, understands the basic principles of pathogenesis, diagnosis and treatment of common diseases of domestic animals, research and innovation in the field of animal science, has knowledge of historical development, traditions and the social importance of animals. Graduates of the Animal Science study programme could seek employment especially in the field of animal husbandry and veterinary medicine, and can built on their knowledge about the care, health and well-being of domestic animals. After obtaining a bachelor's degree, graduates of the joint bachelor's study programme could also seek employment in the private veterinary sphere, in the field of food safety, or in the consulting, research and teaching field or seek further education (either MA or Phd) in the field of biology and aquaculture.

b) Relevant external interested parties who provided a statement or an affirmative opinion on the compliance of the acquired knowledge, skills and qualification with the sector-specific requirements for the performance of the profession:
State Veterinary and Food Administration of the Slovak Republic:
https://qa.uvlf.sk/vsk/docs/vzs_noz_svpss.pdf
Chamber of Veterinary Surgeons of the Slovak Republic:
https://qa.uvlf.sk/vsk/docs/vzs_noz_kvlsr.pdf

3. Job prospects

a) Given many years of experience with graduates of the Animal Science study programme, we can state that graduates who obtained a bachelor's degree acquired theoretical and practical knowledge of biological sciences and are able to use it in the private veterinary sphere, in the field of food safety or in consulting, research and teaching. Graduates are also prepared for further university studies in the field of veterinary medicine or master's studies in the field of biology and aquaculture.

b) There are countless examples of successful graduates of the Animal Science study programme. As the list would be exhaustive, we will only state that all graduates have found employment and spread the good name of both universities, especially abroad.

c) Evaluation of the quality of the study programme by employers of graduates (feedback): The quality of the Animal Science study programme is regularly evaluated mainly through feedback provided by employers themselves.

4. Structure and content of the study programme

a) The rules for creating study plans for the Animal Science study programme are based on the general provisions contained in Art. 7 of the internal regulation Study guidelines of UVMP in Košice, part A.

b) The recommended study plan for the full-time study programme Animal Science: https://qa.uvlf.sk/en/ais/sp/?sprg_id=13

c) The study plan includes:
- individual parts of the study programme (compulsory courses, compulsory optional courses and optional courses),
- in the study plan, profile courses are marked in bold and with an star,
- for each educational part (courses), the educational outcomes and related criteria and rules for their evaluation are defined in the information letter of the course so that all the educational goals of the study programme are met,
- for each educational part of the study plan (course), the educational activities suitable for achieving educational outcomes are specified in the information letter of the course,
- the subject information letter lists the methods by which the educational activity is carried out,
- the course prerequisites are listed in the information letter,
- the course syllabus is listed information letter,
- the student's workload is stated in the information letter,
- credits allocated to each part based on the educational outcomes achieved and related workload,
- the guarantor of the course is designated and other persons responsible for the course are also listed in the information letters,
- place of the course (if the study programme is carried out at several workplaces).

Information letters of the courses of the study programme are available through the links directly in the study plan: https://qa.uvlf.sk/en/ais/sp/?sprg_id=13

d) The number of credits which must be earned to complete the study and other conditions that the student must fulfill to graduate, including the conditions of state exams, rules for retaking courses and rules for extension, interruption of studies:
Obtaining 180 credits is a condition for proper completion of the studies. Other conditions that the student must fulfill to complete the studies, including the conditions of state exams, rules for retaking courses and rules for extension, interruption of studies are listed in Art. 9, 15, 16, 17, 21, 22 and 29 of the internal regulation Study guidelines of UVMP in Košice, part A.

e) Conditions for passing individual parts of the study programme and the student's progress in the study programme are part of the study plan in the following structure:
   - number of credits per profile courses required for proper completion of the studies/completion of part of the study,
   - number of credits for compulsory courses required for proper completion of the studies/completion of part of the study,
   - number of credits for compulsory optional courses required for proper completion of the studies/completion of part of the study,
   - the number of credits for state exams and the defense of the bachelor's thesis.

f) Rules regarding student evaluation and the possibility of repeating exams:
UVMP in Košice has described the rules regarding student evaluation and the possibility of repeating exams in Art. 17, 18, 19, 20, 24, 25, 27 and 28 of the internal regulation Study guidelines of UVMP in Košice, part A.

g) Conditions for recognition of the studies or parts of the studies:
UVMP in Košice addresses the conditions for recognition of studies or parts of studies in Art. 22, 37, 40 and 41 of the internal regulation Study guidelines of UVMP in Košice, part A.

h) Topics of final theses of the study programme:
UVMP in Košice publishes a list of topics for the final theses of the study programme Animal Science in the academic information system (AIS) every year, and students can choose from the topics available within the specified deadline. An overview of the topics of bachelor theses available over the last 3 academic years, including the list of supervisors and contacts is outlined in Tab. 3, which is part of point 7, letter e) of this description.

i) UVMP in Košice has laid down:
   - rules for submitting, processing, opposing, defending and evaluating theses in Art. 28 of the internal regulation Study guidelines of UVMP in Košice, part A,
   - possibilities and procedures for participating in student mobility in Art. 41 of the internal regulation Study guidelines of UVMP in Košice, part A and in the internal regulation Directive on the basic rules and principles of the KA1 project - higher education within the ERASMUS+ programme at UVMP in Košice,
   - Code of Ethics in the internal regulation Disciplinary procedure for Students of the University of Veterinary Medicine and Pharmacy in Košice, in the internal regulation Code of ethics for Employees of UVMP in Košice, in the internal regulation Student Code of Ethics of UVMP in Košice and n the internal regulation Code of ethics for scientists of UVMP in Košice.
   - rules applicable to students with special needs in the internal regulation Study guidelines of UVMP in Košice, part A, in Art. 2 point 6, Art. 3 point 5 and in Art. 7 point 6.
   - the procedures for submitting suggestions and appeals by the student are specified in the Directive on handling complaints at UVMP in Košice as well as the Study guidelines of UVMP in Košice.

5. Study programme's information letters

Study programme's information letters are drawn up according to decree no. 614/2002 Coll.

6. Current schedule of the academic year and current timetables

The current schedule of the academic year and the current timetables are listed in the bulletin "Information about studying at UVMP in Košice" for the given academic year and are also available on the UVMP's website https://www.uvlf.sk/en/information-for-students/academic-year-schedule (shedule) and https://www.uvlf.sk/en/information-for-students/timetables (timetables).

7. Staff

a) Person responsible for the quality of the study programme is prof. MVDr. Zita Faixová, PhD., who holds the position of a professor; works at the Department of Biology and Physiology UVMP in Košice; e-mail zita.faixova@uvlf.sk tel. no. +421915984704.

b) List of persons teaching profile courses of the study programme:
prof. MVDr. Zita Faixová, PhD.; Department of Biology and Physiology, UVMP in Košice
dr. h. c. prof. MVDr. Jana Mojžišová, PhD.; Department of Epizootology, Parasitology and Public Health Protection, UVMP in Košice
prof. MVDr. Jozef Nagy, PhD.; Department of Hygiene, Technology and Food Safety,
prof. Monica Fengsrud Brinchmann; Faculty of Aquaculture and Biological Sciences, Nord University Bodø, Norway
Ioannis Vatsos, DVM, MSc, PhD., Faculty of Aquaculture and Life Sciences, Nord University Bodø, Norway
Sylvie Louise Bolla, Assoc. Prof., Faculty of Aquaculture and Biological Sciences, Nord University Bodø, Norway.

c) Reference to Research/art/teacher profile of persons teaching profile courses of the study programme:
RATP of persons teaching profile courses of the study programme Animal Science are kept on the UVMP's quality portal (https://qa.uvlf.sk/en/zsp/ozsp/) and direct links are listed in attachment no. 1 to the Internal Evaluation Report.

d) The list of teachers of the study programme, courses they teach and a link to the central register of university employees, with contact details:

Guarantors and lecutrers	*course/s*	*e-mail*	*CRZ*
Profile courses for UVMP			
prof. MVDr. Zita Faixová, PhD.	Pathological physiology	zita.faixova@uvlf.sk	https://www.portalvs.sk/regzam/detail/6015
Dr. h. c. prof. MVDr. Jana Mojžišová, PhD	Preventive veterinary medicine, sanitation and public health	jana.mojzisova@uvlf.sk	https://www.portalvs.sk/regzam/detail/6013
prof. MVDr. Jozef Nagy, PhD.	Food safety	jozef.nagy@uvlf.sk	https://www.portalvs.sk/regzam/detail/6021
Profile courses - Nord University			
prof. Monica Fengsrud Brinchmann	Biochemistry and cell biology	monica.f.brinchmann@nord.no	
Assoc. prof. Sylvie Louise Bolla	Aquaculture	sylvie.bolla@nord.no	
Assoc. prof. Ioannis Vatsos, PhD. Dipl. ECAAH	Microbiology	ioannis.vatsos@nord.no	
Compulsory courses			
doc. MVDr. František Zigo, PhD.	Animal husbandry	frantisek.zigo@uvlf.sk	https://www.portalvs.sk/regzam/detail/20442
MVDr. Zuzana Farkašová, PhD.	Animal husbandry	zuzana.farkasova@uvlf.sk	https://www.portalvs.sk/regzam/detail/6142
MVDr. Gabriela Gregová, PhD.	Animal hygiene, welfare and behaviour of animals	gabriela.gregova@uvlf.sk	https://www.portalvs.sk/regzam/detail/6132
Assoc. prof. Sylvie Louise Bolla	Aquaculture	sylvie.bolla@nord.no	
doc. MVDr. Dagmar Heinová, CSc.	Biochemistry	dagmar.heinova@uvlf.sk	https://www.portalvs.sk/regzam/detail/6014

doc. MVDr. Zuzana Kostecká, PhD.	Biochemistry	zuzana.kostecka@uvlf.sk	https://www.portalvs.sk/regazam/detail/6058
MVDr. Mária Milkovičová, PhD.	Biochemistry	maria.milkovicova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6112
MVDr. Jana Šimková, PhD.	Biochemistry	jana.simkova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6104
Ing. Ladislav Takáč, PhD. LLM MPA	Biomedical statistics and informatics	ladislav.takac@uvlf.sk	https://www.portalvs.sk/regazam/detail/2887
Ing. Jozef Kremeň	Biomedical statistics and informatics	jozef.kremen@uvlf.sk	https://www.portalvs.sk/regazam/detail/6069
prof. Leslie Robert Noble	Diversity of life II - Vertebrates	leslie.r.noble@nord.no	
MVDr. Ľubomír Šmiga, PhD.	Fish breeding	lubomir.smiga@uvlf.sk	https://www.portalvs.sk/regazam/detail/25084
prof. MVDr. Peter Popelka, PhD.	Food safety	peter.popelka@uvlf.sk	https://www.portalvs.sk/regazam/detail/6062
doc. MVDr. Eva Dudriková, PhD.	Food safety	eva.dudrikova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6005
doc. RNDr. Mária Baranová, PhD.	Food safety	maria.baranova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6034
prof. Jarle Tryti Nordeide	Genetics and evolution	jarle.t.nordeide@nord.no	
Assoc. prof. Ioannis Vatsos, PhD. Dipl. ECAAH	Histology and embryology	ioannis.vatsos@nord.no	
Assoc. prof. Einar Skarstad Egeland	Chemistry and biophysics	einar.s.egeland@nord.no	
doc. RNDr. Jana Staničová, PhD.	Chemistry and biophysics	jana.stanicova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6010
MVDr. Peter Váczi, PhD.	Introduction to pharmacology	peter.vaczi@uvlf.sk	https://www.portalvs.sk/regazam/detail/6107
Dr. h. c. prof. MVDr. Jana Mojžišová, PhD.	Introduction to veterinary epizootology	jana.mojzisova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6013
prof. MVDr. Anna Ondrejková, PhD.	Introduction to veterinary epizootology	anna.ondrejkova@uvlf.sk	https://www.portalvs.sk/regazam/detail/2007
MVDr. Boris Vojtek, PhD.	Introduction to veterinary epizootology	boris.vojtek@uvlf.sk	https://www.portalvs.sk/regazam/detail/17788
MVDr. Milan Čížek, PhD.	Introduction to veterinary epizootology	milan.cizek@uvlf.sk	https://www.portalvs.sk/regazam/detail/6006
Martina Elisabeth Luise Kopp, Ing.	Laboratory safety	martina.kopp@nord.no	
Mgr. Martin Zborovjan, PhD.	Latin terminology	martin.zborovjan@uvlf.sk	https://www.portalvs.sk/regazam/detail/23887
Assoc. prof. Ioannis Vatsos, PhD. Dipl. ECAAH	Microbiology	ioannis.vatsos@nord.no	
prof. MVDr. Emil Pilipčinec, PhD.	Microbiology, immunology and parasitology	emil.pilipcinec@uvlf.sk	https://www.portalvs.sk/regazam/detail/5988
doc. MVDr. Jana Koščová, PhD.	Microbiology, immunology and parasitology	jana.koscova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6093
doc. MVDr. Dagmar Mudroňová, PhD.	Microbiology, immunology and parasitology	dagmar.mudronova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6094
prof. Igor Szczepan Babiak	Molecullar cell biology	igor.s.babiak@nord.no	
MVDr. Elena Piešová, PhD.	Pathological physiology	elena.piesova@uvlf.sk	https://www.portalvs.sk/regazam/detail/5984
doc. MVDr. Naďa Sasáková, PhD.	Preventive veterinary medicine, sanitation and public health	nada.sasakova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6090
MVDr. Boris Vojtek, PhD.	Preventive veterinary medicine, sanitation and public health	boris.vojtek@uvlf.sk	https://www.portalvs.sk/regazam/detail/17788
MVDr. Milan Čížek, PhD.	Preventive veterinary medicine, sanitation and public health	milan.cizek@uvlf.sk	https://www.portalvs.sk/regazam/detail/6006
prof. MVDr. Eva Petrovová, PhD.	Veterinary anatomy and histology	eva.petrovova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6066
doc. MVDr. Viera Almášiová, PhD.	Veterinary anatomy and histology	viera.almasiova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6065
MVDr. Veronika Šimaiová, PhD.	Veterinary anatomy and histology	veronika.simaiova@uvlf.sk	https://www.portalvs.sk/regazam/detail/30139
MVDr. Vladimír Hisira, PhD.	Veterinary clinical sciences	vladimir.hisira@uvlf.sk	https://www.portalvs.sk/regazam/detail/6081
MVDr. Marián Kadaši, PhD.	Veterinary clinical sciences	marian.kadasi@uvlf.sk	https://www.portalvs.sk/regazam/detail/26621
prof. MVDr. Jana Kottferová, PhD.	Veterinary ethics and legislation	jana.kottferova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6055
doc. MVDr. Daniela Takáčová, PhD.	Veterinary ethics and legislation	daniela.takacova@uvlf.sk	https://www.portalvs.sk/regazam/detail/6038
Assoc. prof. Chris André Johnsen	Zoophysiology		
Compuslory optional course			
MVDr. Tomáš Mihok, PhD.	Animal nutrition	tomas.mihok@uvlf.sk	https://www.portalvs.sk/regazam/detail/6129

doc. MVDr. Oskar Nagy, PhD., Dipl. ECBHM	Basics of laboratory diagnostics	oskar.nagy@uvlf.sk	https://www.portalvs.sk/regzam/detail/6036
doc. MVDr. Peter Lazár, PhD.	Breeding of game	peter.lazar@uvlf.sk	https://www.portalvs.sk/regzam/detail/6016
MVDr. Ľubomír Šmiga, PhD	Breeding of game	lubomir.smiga@uvlf.sk	https://www.portalvs.sk/regzam/detail/25084
Optional courses			
doc. MVDr. Peter Lazár, PhD.	Cynology	peter.lazar@uvlf.sk	https://www.portalvs.sk/regzam/detail/6016
MVDr. Adriana Iglódyová, PhD.	Cynology	adriana.iglodyova@uvlf.sk	https://www.portalvs.sk/regzam/detail/23895
MVDr. Ľubomír Šmiga, PhD	Cynology	lubomir.smiga@uvlf.sk	https://www.portalvs.sk/regzam/detail/25084
PaedDr. Beáta Gajdošová	Physical education	beata.gajdosova@uvlf.sk	https://www.portalvs.sk/regzam/detail/6168
Mgr. Lukáš Varga	Physical education	lukas.varga@uvlf.sk	https://www.portalvs.sk/regzam/detail/31728
Mgr. Andrea Eibenová	Slovak language	andrea.eibenova@uvlf.sk	https://www.portalvs.sk/regzam/detail/6037
PhDr. Valéria Bartková	Latin terminology	valeria.bartkova@uvlf.sk	https://www.portalvs.sk/regzam/detail/5994

e) List of supervisors of final theses for the past 3 academic years (standard length of study) with the list of topics (with contact details) - supervisors of bachelor theses can be all lecturers, with the exception of physical education teachers

Topics	Year	Supervisor and contact details
Bot and Warble Flies (Diptera: Oestridae) and their veterinary importance	2019/2020	prof. MVDr. Alica Kočišová, PhD. alica.kocisova@uvlf.sk
Addressing health problems in salmon farming in Norway and Chile – focus on bacterial and viral diseases	2019/2020	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Diagnosis and treatment of dermatophytosis in dogs and cats	2019/2020	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Hip dysplasia in dogs	2019/2020	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Morphological study of the conducting portion of respiratory system	2019/2020	doc. MVDr. Katarína Holovská, PhD. katarina.holovska@uvlf.sk
How Pathogens Affect Bird Migration	2019/2020	doc. MVDr. Ľuboš Korytár, PhD. lubos.korytar@uvlf.sk
Emerging and Re-emerging infectious diseases	2019/2020	doc. MVDr. Marián Prokeš, PhD. marian.prokes@uvlf.sk
Immune response of salmon after application of probiotic lactobacilli	2019/2020	doc. MVDr. Dagmar Mudroňová, PhD. dagmar.mudronova@uvlf.sk
The complications of hypertrofic cardiomyopathy in cats	2019/2020	MVDr. Andrea Szarková andrea.szarkova@uvlf.sk
Ebola	2019/2020	MVDr. Boris Vojtek, PhD. boris.vojtek@uvlf.sk
Chemical fertilizer and the impact on the environment	2019/2020	MVDr. Gabriela Gregová, PhD. gabriela.gregova@uvlf.sk
Welfare in pig farming	2019/2020	MVDr. Lenka Lešková, PhD. lenka.leskova@uvlf.sk
Embryo transfer in sheep	2019/2020	MVDr. Marián Kadaši, PhD. marian.kadasi@uvlf.sk
Single gene mutation in Icelandic horses connected with specific gait	2019/2020	MVDr. Michaela Karamanová, PhD. michaela.karamanova@uvlf.sk
Drugs used to treat gastrointestinal disorders in dogs	2019/2020	MVDr. Peter Váczi, PhD. peter.vaczi@uvlf.sk
Treatment of respiratory diseases in dogs	2019/2020	MVDr. Peter Váczi, PhD. peter.vaczi@uvlf.sk
Nutritional management of hospitalized small animals	2019/2020	MVDr. Tomáš Mihok, PhD. tomas.mihok@uvlf.sk
Nutritional management of sled dogs	2019/2020	MVDr. Tomáš Mihok, PhD. tomas.mihok@uvlf.sk
The new trends in nutrition and feeding in dogs	2020/2021	MVDr. Tomáš Mihok, PhD. tomas.mihok@uvlf.sk
Possibilities of gene therapy of blood diseases	2019/2020	MVDr. Viera Schwarzbacherová, PhD. viera.schwarzbacherova@uvlf.sk
Transgenic animals as drug production factories	2019/2020	MVDr. Viera Schwarzbacherová, PhD. viera.schwarzbacherova@uvlf.sk
Function of the skin	2020/2021	prof. MVDr. Zita Faixová, PhD. zita.faixova@uvlf.sk

Physiology of vision in animals	2020/2021	prof. MVDr. Zita Faixová, PhD. zita.faixova@uvlf.sk
Listeriosis in sheep	2020/2021	prof. MVDr. Pavol Mudroň, PhD., Dip. ECBHM pavol.mudron@uvlf.sk
Haemonchus contortus, gastro-intestinal parasite of small ruminants – prevalence, control and resistance to anthelmintic drugs	2020/2021	prof. MVDr. Marián Várady, DrSc. varady@saske.sk
Pathogens of bacterial and fungal dermatitis and ear infections in dogs and their factors of virulence	2020/2021	prof. MVDr. Emil Pilipčinec, PhD. emil.pilipcinec@uvlf.sk
Bacterial pathogens of vector transmitted zoonoses and their factors of virulence	2020/2021	prof. MVDr. Emil Pilipčinec, PhD. emil.pilipcinec@uvlf.sk
Foodborne bacterial pathogens and their factors of virulence	2020/2021	prof. MVDr. Emil Pilipčinec, PhD. emil.pilipcinec@uvlf.sk
Viral and bacterial threats in salmon farming in Norway	2020/2021	prof. MVDr. Emil Pilipčinec, PhD. emil.pilipcinec@uvlf.sk
Zoonotic bacterial pathogens transmitted by contact and aerosol and their factors of virulence	2020/2021	prof. MVDr. Emil Pilipčinec, PhD. emil.pilipcinec@uvlf.sk
The epizootiological analysis of the occurrence of African swine fever (AMO) in Europe	2020/2021	prof. MVDr. Anna Ondrejková, PhD. anna.ondrejkova@uvlf.sk
Use of probiotics in honey bee breeding	2020/2021	doc. MVDr. Dagmar Mudroňová, PhD. dagmar.mudronova@uvlf.sk
Immune defences of fish against viral pathogens, with special focus on Infectious Salmon Anaemia (ISA)	2020/2021	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Canine Pyometra: epidemiology, etiology, pathogenesis, diagnosis and treatment	2020/2021	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Main bacteria causing infections of the urinary tract in dogs	2020/2021	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Vaccines used in aquaculture – current situation and future directions	2020/2021	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Diseases of bacterial origin transmitted by household pets	2020/2021	doc. MVDr. Jana Koščová, PhD. jana.koscova@uvlf.sk
Migration of songbirds (Passeriformes) between Northern and Central Europe in the context of the spread of infectious pathogens	2020/2021	doc. MVDr. Ľuboš Korytár, PhD. lubos.korytar@uvlf.sk
Transportation of ticks by migratory birds from tropics and subtropics to Europe - epizootiological and epidemiological implications	2020/2021	doc. MVDr. Ľuboš Korytár, PhD. lubos.korytar@uvlf.sk
One Health approach in tropical veterinary medicine	2020/2021	doc. MVDr. Marián Prokeš, PhD. marian.prokes@uvlf.sk
Coronaviruses in dogs and cats	2020/2021	MVDr. Boris Vojtek, PhD. boris.vojtek@uvlf.sk
Air quality in animal houses	2020/2021	MVDr. Gabriela Gregová, PhD. gabriela.gregova@uvlf.sk
Assessment of the behaviour of dogs in shelters	2020/2021	MVDr. Heidi Vollan Solvik heidi.v.solvik@nord.no
Genetic diseases in Arabian horses	2020/2021	MVDr. Martina Galdíková, PhD. martina.galdikova@uvlf.sk
Synchronization of the oestrus cycle in bitches	2020/2021	MVDr. Radka Staroňová, PhD. radka.staronova@uvlf.sk
Rabbit as an experimental model in chemical testing	2020/2021	MVDr. Viera Schwarzbacherová, PhD. viera.schwarzbacherova@uvlf.sk
Novel Brucella species and their potential risk to human and animal health	2021/2022	prof. MVDr. Emil Pilipčinec, PhD. emil.pilipcinec@uvlf.sk
Bacterial pathogens with zoonotic potential topically acquired from aquaculture species	2021/2022	prof. MVDr. Emil Pilipčinec, PhD. emil.pilipcinec@uvlf.sk
Bacterial and viral pathogens in fish and their significance for fish farming	2021/2022	prof. MVDr. Emil Pilipčinec, PhD. emil.pilipcinec@uvlf.sk
Rabies - Risk Assessment	2021/2022	prof. MVDr. Anna Ondrejková, PhD. anna.ondrejkova@uvlf.sk
Phage therapy in veterinary medicine	2021/2022	prof. Monica Fengsrud Brinchmann monica.f.brinchmann@nord.no
Vaccine strategies in aquaculture	2021/2022	prof. Monica Fengsrud Brinchmann monica.f.brinchmann@nord.no
Welfare aspects of delousing in Atlantic salmon aquaculture	2021/2022	prof. Monica Fengsrud Brinchmann monica.f.brinchmann@nord.no
Hydrolysed plant proteins as feed components for weaned pigs	2021/2022	doc. Bc. MVDr. Andrej Marcin, CSc. andrej.marcin@uvlf.sk
Bacteria caused mastitis and milk safety	2021/2022	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Breeding of dairy and combined ruminant breeds in marginal areas of Visegrad countries	2021/2022	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Evaluation of exterior traits in selected breeds of rabbits	2021/2022	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk
Physiology of the liver in mammals	2021/2022	prof. MVDr. Zita Faixová, PhD. zita.faixova@uvlf.sk
Mucosal immune system of fish	2021/2022	doc. MVDr. František Zigo, PhD. frantisek.zigo@uvlf.sk

Listeria monocytogenes as a foodborne pathogen and its public health significance	2021/2022	doc. MVDr. Jana Koščová, PhD. jana.koscova@uvlf.sk
Rodent-borne diseases and risks for public health	2021/2022	doc. MVDr. Marián Prokeš, PhD. marian.prokes@uvlf.sk
Infectious inflammatory CNS diseases in dogs	2021/2022	doc. MVDr. Mária Kuricová, PhD. maria.kuricova@uvlf.sk
Non-infectious inflammatory CNS diseases in dogs and cats	2021/2022	doc. MVDr. Mária Kuricová, PhD. maria.kuricova@uvlf.sk
Therapy of immune mediated CNS diseases in dogs	2021/2022	doc. MVDr. Mária Kuricová, PhD. maria.kuricova@uvlf.sk
Traumatic spinal cord diseases in small animal practice	2021/2022	doc. MVDr. Mária Kuricová, PhD. maria.kuricova@uvlf.sk
Traumatic brain diseases in small animal practice	2021/2022	doc. MVDr. Mária Kuricová, PhD. maria.kuricova@uvlf.sk
The use of lumpfish (Cyclopterus lumpus) as a biological control for sea lice in salmon farming: current situation and future challenges	2021/2022	MSc. Florence Perrera Willora, PhD. florence.w.perera@nord.no
Treatment of cardiac arrhythmias in dogs with gastric distention-volvulus	2021/2022	MVDr. Andrea Szarková andrea.szarkova@uvlf.sk
Hygiene and welfare aspects of dog keeping in shelters	2021/2022	MVDr. Gabriela Gregová, PhD. gabriela.gregova@uvlf.sk
Mutations of Toll-like receptors and susceptibility to selected infectious diseases	2021/2022	MVDr. Monika Drážovská, PhD. monika.drazovska@uvlf.sk
Yeast infections in domestic animals and their therapy	2021/2022	MVDr. Peter Váczi, PhD. peter.vaczi@uvlf.sk
Nutritional Management of Oncological Diseases	2021/2022	MVDr. Tomáš Mihok, PhD. tomas.mihok@uvlf.sk
Nutritional management of diabetes mellitus in dogs	2021/2022	MVDr. Tomáš Mihok, PhD. tomas.mihok@uvlf.sk
Genetic diseases of skeletal tissue in cattle	2021/2022	RNDr. Jana Halušková, PhD. jana.haluskova@uvlf.sk
Modern reproductive biotechnologies and their application in dogs	2021/2022	RNDr. Jana Halušková, PhD. jana.haluskova@uvlf.sk

f) Research/art/teacher profiles of thesis supervisors in the study programme are available on the UVMP quality portal through the study plan, or directly at https://qa.uvlf.sk/en/vupch-viewer/?regzam=X, where X is the employee number on the central register of university employees (e.g. https://www.portalvs.sk/regzam/detail/6111 - employee record on the central register of university employees, https://qa.uvlf.sk/en/vupch-viewer/?regzam=6111 – RATP of the employee on the UVMP's quality portal).

g) Student representatives who represent the interests of students of the Animal Science study programme (name and contact details):
The member of the committee was the student of the General Veterinary Medicine study programme Serena Faith Kishore Amrit, e-mail: serenafaithkishore.amrit@student.uvlf.sk.

h) Study advisor for the study programme Animal Science for the 2nd year students is MVDr. Zuzana Farkašová, PhD., e-mail: zuzana.farkasova@uvlf.sk; tel. no.: +421905201646 and for the 3rd year students doc. MVDr. Gabriela Štrkolcová, PhD., e-mail: gabriela.strkolcova@uvlf.sk; tel. no.: +421907798819.

i) Support staff of the study programme - assigned study officer: Ing. Michaela Paulíková, e-mail michaela.paulikova@uvlf.sk.

8. Premises, tools and technical equipment

a) List and description of seminar rooms and their technical equipment and their relation to the learning outcomes and course:
Lectures, seminars, practical exercises, laboratory exercises and other pedagogical activities per individual study courses of the Animal Science study programme in English are held at the UVMP in Košice in lecture halls, libraries and seminar rooms of UVMP

in Košice. The university has built fully furnished and modern laboratories. The list of buildings and rooms used for the above activities is shown in the table attached below. All buildings are located in the UVMP campus.

Course	Description of equipment and tools	Pavilion/ seminar number / designation
Aquaculture	Laboratory equipment for the analysis of aquatic animals and the aquatic environment, microscopes, data projector, personal computer, laptops.	Faculty of Aquaculture and Biological Sciences, Nord University Bodø
Animal husbandry	Data projector, PC set, whiteboard, cabinet with fixing aids, animal models.	P12-seminar rooms 3 and 6
Animal hygiene, welfare and behaviour of animals	Computer technology, data projector, measuring devices for determining the physical and chemical properties of the air.	P3-2. NP, seminar room 1
Animal nutrition	Seminar room 2: Computer, monitor; projector, blackboard Seminar room 3: Computer, monitor; projector; feed samples Seminar room 7: 14 x PC; blackboard, projector.	P12-seminar rooms 2, 3 and 7
Basics of laboratory diagnostics	Laboratory equipment for various types of laboratory analyses.	P40, P26-laboratory
Biochemistry	Data projector, laptop, hood, refrigerator, freezer, spectrophotometer, centrifuge, automatic pipettes, water bath, analytical scales, UV-spectrophotometer, electrophoresis, pH-meter, laboratory glass, diagnostic sets for determination of metabolites and enzymes, biological material (blood, blood serum, milk)	P35-408 P35-411
Biochemistry and cell biology	Laboratory equipment for cell biology analyses, laboratory equipment for biochemical analyses, microscopes, spectrophotometer, thermostat, automatic pipettes, refrigerator, freezer, analytical scales, pH meter, centrifuge, data projector, personal computer, laptops.	Faculty of Aquaculture and Biological Sciences, Nord University Bodø
Biomedical statistics and informatics	19 personal computers, dataprojector	P5 – PC seminar room
Diversity of life II - Vertebrates	Spectrophotometer, thermostat, automatic pipettes, refrigerator, freezer, analytical scales, centrifuge, pH meter, data projector, personal computer, laptops	Faculty of Aquaculture and Biological Sciences, Nord University Bodø
Fish breeding	Microscopes - Zeis PrimoStar; Olympus BX41, 2x Motic BA 310, Stereomicroscopes – Zeis Stemi 508 binocular magnifier; Motic SMZ 168, Camera for a microscope	P2-seminar room and laboratórium 1

	(with software for measuring morphological structures) – Zeis AxioCam ERc5S, Moticam 2300, Camera for a stereomicroscope (with software for measuring morphological structures) – Zeis AxioCam ERc5s. Permanent preparations of selected freshwater parasite species; fixation solutions for primary fixation of parasites and creation of permanent preparations. The possibility of obtaining a sufficient diversity of ornamental fish species, fish intended for consumption and fish from open waters with use for parasitological examination (with a positive examination result). The pond of the University facility for the breeding and diseases of game, fish and bees in Rozhanovce is also used for teaching.	
Food safety	Laboratory equipment for a wide range of analyzes of milk and milk products, PC, data projector Laboratory equipment for a wide range of analyzes of poultry meat, eggs and game, for a wide range of analyzes of meat and meat products and for the production of meat products, PC, data projector.	P10-technology seminar room, laboratory, seminar room P6-laboratory, seminar room P14-technology seminar room
Genetics and evolution	Light microscopes, centrifuge, refrigerator, freezer, laboratory glassware, automatic pipettes, data projector with laptop.	Faculty of Aquaculture and Biological Sciences, Nord University Bodø
Histology and embryology	Light microscopes (Motica, Zeiss, Optica), Zeiss light microscope - trinocular with camera, Epson multimedia, LG monitor, 3-D models, Histological preparations, School ceramic white board.	P17-141 a 145
Chemistry and biophysics	Spectrophotometer, refractometer, centrifuges, water bath with thermostat, digital pressure gauge, oximeter, set for measuring electric membrane potential, freezers, refrigerator, laboratory glassware, automatic pipettes, data projector with laptop.	Faculty of Aquaculture and Biological Sciences, Nord University Bodø
Introduction to pharmacology	Laboratory equipment necessary for practical exercises, PC, data projector.	P4-laboratory,seminar rooms
Introduction to veterinary epizootology	Complex laboratory equipment for bacteriological, virological and serological diagnostic methods, computer technology, slide projector.	P1-laboratory, seminar room/library
Laboratory safety	Personal computer, data projector, laptops	Faculty of Aquaculture and Biological Sciences, Nord University Bodø
Latin terminology	Data projector, laptop, TV set	P14 a 9 – J1, J2, J3, J4
Microbiology	Laboratory equipment for modern investigation methods to determine the causative agents of bacterial animal diseases.	P3-ground floor and 1st floor, laboratory, seminar rooms
Microbiology, immunology and parasitology	Laboratory equipment for laboratory microbiological, immunological and parasitological examinations and tests, PC, data projector.	P3-ground floor, laboratory, seminar room P2 laboratory, seminar room
Molecular cell biology	Light microscopes, spectrophotometer, centrifuge, thermostat, laboratory glassware, refrigerators, freezers, automatic pipettes, pH meter, analytical scales, data projector with laptop.	Faculty of Aquaculture and Biological Sciences, Nord University Bodø

Pathological physiology	Light microscopes, thermostat, centrifuge, spectrophotometer, refractometer, pH meter, automatic pipettes, laboratory glass, freezer, refrigerator, biological material (blood and its derivatives, urine, body fluids), data projector, personal computer.	P8 - seminar room
Preventive veterinary medicine, sanitation and public health	Technical equipment for the performance of preventive veterinary measures, PC, data projector.	P1-seminar room
Veterinary anatomy and histology	Freezer box, cooling box, maceration device, technical tools for dissection, osteological material, plastinates, preparations of the muscular system.	P34-autopsy room 1, 2, 3 a 4
Veterinary clinical sciences	Technical equipment for the performance of preventive veterinary measures, PC, data projector Freezer box, cooling box, maceration device, technical tools necessary for dissection, osteological material, plastinates, preparations of the muscular system. Laboratory microscopes XSP 151 SonoScape ultrasonograph Fritz endoscope Fixation cage for small ruminants Fixation cage for large ruminants Fixation cage for horses Investigation table Technologically adapted seminar room for clinical and special diagnostic examination of all types of animals Fixation cages, cavity openers, probes, endoscopes, cystoscopes, catheters, speculums, magnet feeders, pheroscopes, phonendoscopes, percussive hammers, plesimeters ECG, USG, hematological and biochemical analyzer, centrifuges, pH meter Laboratory for examination of biological material (blood, urine, droppings, rumen contents, cerebrospinal fluid) - microscopes Use of animals and equipment in the stables of individual clinics, at ŠPP Zemplínska Teplica and in the Clinical Skills Center	P 19 – 1048 P 19 – 1046 P 19 – 1046 P 19 – 145 P 18 – 160 P 17 – seminar room 1 P 17 – seminar room 1 P17-1 P17-2 P17/3 ŠPP Zemplínska Teplica Clinical Skills Center
Veterinary ethics and legislation	Computer technology, data projectors.	P32, seminar room at the ground floor, PC room at the ground floor, seminar room on the upper floor
Zoophysiology	Light microscopes, spectrophotometer, thermostat, centrifuge, automatic pipettes, freezer, refrigerator, biological material (blood, rumen contents).	Faculty of Aquaculture and Biological Sciences, Nord University Bodø
Breeding of game	Microscopes - Zeis PrimoStar; Olympus BX41, 2x Motic BA 310, Stereomicroscopes – Zeis Stemi 508 binocular magnifier; Motic SMZ 168, Camera for a microscope (with software for measuring morphological structures) – Zeis AxioCam ERc5S, Moticam 2300, Camera for a stereomicroscope (with software for measuring morphological structures) – Zeis AxioCam ERc5s. Permanent preparations of selected species of animal parasites; fixation solutions for primary fixation of parasites and creation of permanent preparations. The possibility of obtaining a sufficient number and	P2-seminar room and laboratory 1 and 2

	diversity of samples in cooperation with several hunting associations (with a positive result of the examination). The University facility for the breeding and diseases of game, fish and bees in Rozhanovci with farm breeding of pheasants, intensive breeding of mouflon and fallow deer , and a hunting area with breeding of wild boar, deer and roe deer are also used for teaching.	
Cynology	Training area for dogs.	UVMP campus pri Hati
Physical education	Cardio and fitness equipment, sports equipment, tools and aids for individual sports activities, audio equipment, TV receiver.	KaVK TV and Sports Office, Podhradová 11 – 2 cardio seminar rooms; Gym
Slovak language	Dataprojector, laptop, TV receiver.	P14 a 9 – J1, J2, J3, J4

b) Availability of study materials (access to literature in line with syllabi sheets, access to information databases and other information sources, information technologies, etc.):
All literary resources for study outlined in the syllabi are available either in print or electronic form, all information databases purchased and licensed by the university are widely available to students.

c) Description and scope of distance education in the study programme with per course. Access data, manuals of e-learning portals. Procedures for the transition from in-person to distance learning.
UVMP in Košice also provides distance learning for all courses via the MOODLE and MS Teams platforms. Each student can access manuals either in electronic form or in the form of video instructions.

d) Partners of the university in the study programme: State Veterinary and Food Administration and organizations managed by it, Chamber of Veterinary Surgeons of the Slovak Republic, food producers, slaughterhouses, breeding associations.

e) Social, sports, cultural, spiritual and social life:
UVMP in Košice provides excellent conditions for the above (a detailed description is part of the Internal evaluation report).

f) Mobility and internships opportunities (with contact details), application instructions, rules for recognizing this education:
Students of the Animal Science study programme are guaranteed the opportunity to participate in mobilities. The entire agenda containing instructions and conditions for applying for mobility, conditions and rules of participation as well as rules for recognizing mobility as part of the study plan is covered by the vice-rector for international relations prof. Zita Faixová, DVM, PhD., (+421915984704; zita.faixova@uvlf.sk) and the organizational unit managed by her, which is the UVMP Mobility Department (Segurado Benito Mario; +421917171108; mario.segurado@uvlf.sk). Mobilities and internships are regulated in Art. 41 of the internal regulation Study guidelines of UVMP in Košice, part A and specific requirements are stated in the internal regulation Directive on basic rules and principles of the project KA1 - higher education within the ERASMUS+ programme at UVMP in Košice.

9. Required skills of the applicant and prerequisites

a) Required skills and prerequisites for admission to study:
These are outlined in Art. 1 and Art. 2, part A, II. part Organization of studies - the internal regulation Study guidelines of UVMP in Košice.

b) Admission procedures:
They are outlined in Art. 3 and Art. 4, part A, II. part Organization of studies - the internal regulation Study guidelines of UVMP in Košice.

c) The results of the admission procedure for the past 3 academic years:

Academic year	Applicants accepted	Enrolled students	Graduates
2019/2020	32	32	34
2020/2021	43	43	19
2021/2022	45	45	26

10. Feedback regarding the quality of education provided

a) Student feedback procedures:
UVMP students can anonymously assess the quality of teaching by means of an anonymous questionnaire after graduating. In the questionnaire they evaluate the quality of a specific study programme and the quality of the lecturers. Study programmes are continuously monitored by coordinators of individual field of science and research at UVMP. There are 5 fields of science and research at UVMP.

b) Student feedback and measures taken to improve the quality of the study programme:
The results of the evaluation of the bachelor study are part of the Annual Reports on the Educational Activity at UVMP in Košice for individual academic years and the Annual Reports on the Quality of UVMP in Košice for individual academic years. The results are also presented at the Teachers' Meeting held at the beginning of the academic year. In general, feedback is very important as it allows for the implementation of concrete measures to improve the quality of the study programme.

c) Feedback and measures to improve the quality of the study programme:
The feedback and measures to improve the quality of the study programme are part of the Annual Reports on the Educational Activity at UVMP in Košice for individual academic years and the Annual Reports on the Quality of UVMP in Košice for individual academic years. As part of the measures to improve the quality of the study programme, the vice-rector for education, study advisors and coordinators of individual fields of science and research step in and address the issues resulting from the feedback.

11. Links to other relevant internal regulations and information regarding the study or the student of the study programme:

- Study Guide Book at the UVMP for academic year 2022-2023
- Directive on support of students and applicants to study with specific needs at the UVMP
- Study guidelines of UVMP in Košice
- Annual report on activities UVMP 2021