

Description of the study programme Infectious Diseases of Animals in the third level in the part-time form of study in Slovak language

The name of the university:

University of Veterinary Medicine and Pharmacy in Košice

The seat of the college:

Komenského 73, 041 81 Košice

College identification number:

00397474

The college's authority to approve of the study programme:

Accreditation Committee of UVMP in Košice

Date of approval or modification of the study programme:

26. 8. 2022

Date of the last change to the study programme description:

25. 8. 2022

Decision No. 2015-18852/46465:3-15A0 of 30.10.2015, Reaccreditation grants the right without time limitation

ID of the proceeding: 16727

The name of the university: University of Veterinary Medicine in Košice

The name of the study programme: Infectious Diseases of Animals

The level of the study: Level 3

Code of the study programme: 12245

1. Basic data about the study programme

- a) The name of the study programme and the number according to the register of study programmes:
Infectious diseases of animals code 12245, Decision number 2015-18852/46465:3-15A0
- b) Level of higher education and ISCED-F code of the level of education:
Level 3/864
- c) Venue of the study programme :
The University of Veterinary Medicine in Košice, Komenského 73, 041 81 Košice
- d) The field of study in which a higher education is obtained by completing the study programme, or a combination of two study fields in which a higher education is obtained by completing the study programme , ISCED-F code of the field:
Veterinary medicine/0841
- e) Type of study programme:
Academically oriented
- f) Academic title awarded.
Philosophiae doctor (abbreviation PhD.)
- g) Form of study:
Part-time

- h) The language in which the study programme is conducted:
Slovak language
- i) Standard length of study expressed in academic years:
5 academic years
- j) Capacity of the study programme: the planned number of students - according to the dissertation topics, the actual number of applicants in the last 6 years (from the academic year 2016/2017 to the academic year 2021/2022: 3 topics; the number of applicants enrolled: 3; the number of applicants admitted and enrolled: 3 and the number of PhD students who graduated in the last 6 years: 2.
- k) Information about the study programme:
https://qa.uvlf.sk/sprg_info/?sprg_id=54&ar=20222023

2. Graduate profile and learning objectives

- a) The learning objectives achieved in the study programme *Infectious diseases of animals* are methodologically based on the European Qualifications Framework for Lifelong Learning (EQF). This defines the requirements for learning outcomes for knowledge, skills, responsibility and autonomy.

For level 8, the required learning outcomes are *highly specialised knowledge in the field of work or field of study as well as at the general knowledge of related fields.*

The core knowledge is provided on core courses, in particular in the field of contagious diseases of animals and animal health protection, Zoonoses and one health protection, predictive epizootology, risk assessment in epizootology and prevention of infectious diseases in animals, which are described in the information sheets as knowledge achieved as learning outcomes. Additional knowledge is gained by completing compulsory optional courses in the study programme in the fields of molecular epidemiology, general and special virology, general and special bacteriology, diagnostic pathology, veterinary immunology, infectious diseases of wildlife, public and forensic veterinary medicine, and ecology and environmental protection. The graduate has extensive knowledge in several areas of the study programme or discipline, which he/she uses as a basis for conducting research and development in the field of infectious diseases of animals. The studies provide aims the latest theoretical knowledge based on the current state of scientific knowledge in the various areas of infectious diseases of animals.

The studies build on the knowledge acquired at the second-level of higher education, in particular at veterinary and medical faculties (universities), pharmaceutical, natural sciences, or other faculties of medicine and natural sciences. The knowledge on the third level includes information on the scientific methods of research and solving the problems of infectious diseases of animals and infectious diseases common to humans and animals - zoonoses. The graduate knows the laws of the origin, course and end of infectious diseases, knows the factors influencing the course of epizootological processes. The student knows the biological properties of etiological agents, pathogenesis of individual diseases and immunological properties of antigens for their use and applicability in the prevention of diseases, is familiar with the various forms and methods of distribution and monitoring of infectious diseases; is able to independently carry out surveillance of diseases (including zoonoses), epidemiological analyses and forecasting of disease situations, can define and evaluate risks in epizootology, develop preventive measures to protect animal health and the public health of animals and humans (One health).

For level 8, *the most 'advanced and specialised skills and techniques, including the ability to synthesise and evaluate, are required to solve fundamental problems in research, are also needed in innovation and to extend and redefine existing knowledge on the subject.*

Graduates of the study programme Infectious Diseases of Animals know the most modern methods used in the diagnosis, differential diagnosis, prevention, control and therapy of infectious diseases. The graduate will acquire knowledge for the development of new diagnostic methods, new immunological preparations, drugs, devices and instruments. He/she will acquire the skills to organize epidemiological field research, tackle legal and environmental aspects of disease control, ethical and social aspects of scientific work, the correct way of presenting the results of his/her work and the principles for the development of the study programme and the contribution to practice.

The graduate is technically skilled not only in routine laboratory procedures but also in working with software-intensive instrumentation for epidemiological research, is able to formulate scientific problems, conduct creative, independent research and independently present the results of his work in internationally accepted journals or present them at scientific events. The results of creative work not only contribute to the development of science and scientific knowledge, but they can also be used their in human and veterinary medicine and agriculture.

Responsibility and autonomy, defined for Level 8, is *"the ability to display considerable authority, innovation, independence, scholarly and professional integrity, and a sustained commitment to developing new ideas or practices that are at the forefront of a given work or learning environment, including research."*

The graduate is characterized by independent, critical and analytical thinking. He/she takes into account social, scientific and ethical aspects when formulating research intentions and interpreting research results. The results of his/her own creative work contribute to the development of science, scientific knowledge and the usage of acquired knowledge in practice. He/she presents the results of research and development independently to the professional community and is able to determine the focus of research and coordinate a team in the relevant study programme. The graduate is able to independently design, validate and implement new research and working practices based on their outputs and findings.

- b) Graduates of the study programme of Infectious diseases of animals can apply as an infectologist/ epizootologist - expert in basic and applied research of infectological and epizootological focus in the Department of Health, Agriculture, Environment, Ministry of Defence and the Ministry of the Interior.
- c) Relevant external interested parties who have provided a statement or a favourable opinion on the compliance of the acquired qualification with the sector-specific requirements of the profession: Chamber of Veterinary Surgeon of the Slovak Republic - https://qa.uvlf.sk/vsk/docs/vzs_ichz_kvlsr.pdf

3. Job prospects

- a) On the basis of previous long experience with graduates of the study programme of Infectious diseases of animals , it can be stated that graduates find employment at all schools where infectious diseases of animals, epizootology, epidemiology are taught within the biological disciplines, as well as at research institutes where theoretical and practical aspects of infectious diseases of animals, zoonoses, protection of animal and human health against animal-borne diseases are solved. Graduates can work at the Department of Health, Agriculture, Environment, Defence and Interior, especially in laboratories dealing with the diagnosis of infectious diseases of animals, infectious agents as agents of zoonoses, epizootics, enzootics, epidemics and part of the biological threat.
- b) Examples of successful graduates of the study programme: doc. MVDr. Peter Smrčo, PhD., MVDr. Gabriela Čonková-Skybová, PhD. a MVDr. Bohumil Bielik, PhD.

- c) Evaluation of the quality of the study programme by employers (feedback): the UVMP has prepared questionnaires on graduates for employers.

4. Structure and content of the study programme

- a) The rules for the formation of study plans in the study programme Infectious diseases of animals are based on the general provisions contained in Article 8 of the internal regulation [Study Guidelines of the UVMP](#), Part B.

- b) The recommended framework study plan for part-time:

https://qa.uvlf.sk/ais/sp/?ar=2022-2023&sprg_id=54

The dissertation examination may be taken by a student who has achieved 50 credits for five CSs and at least 10 credits for two selected OCSs during the study period, no later than 24 months from the start of the PhD studies. A minimum of 240 credits is required for graduation.

- c) The study plan includes:

- listed individual parts of the study programme (compulsory courses and compulsory optional courses),
- profile subjects are marked in bold and with an asterisk in the study plan,
- for each educational part (course), the learning outcomes and the related criteria and rules for their assessment are defined in the information sheet of course so that all the educational objectives of the study programme are met,
- for each educational part of the study plan (course), the course information sheet sets out the learning activities used that are suitable for achieving the learning outcomes,
- the course information sheet lists the methods by which the learning activity is carried out,
- the course information sheet lists the course syllabus,
- the course information sheet lists the student's workload,
- the credits allocated to each section based on the learning outcomes achieved and the associated workload,
- the course guarantor is identified and the course information sheets, if applicable, also identify other persons providing the courses,
- the place of providing of the course (if the programme of study is delivered at more than one site).

The course information sheets for the Infectious Diseases of Animals are available via links directly in the study plan:

https://qa.uvlf.sk/ais/sp/?ar=2022-2023&sprg_id=54

- 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:

The condition for the proper completion of studies is obtaining 240 credits, which include credits for passing the dissertation examination and defending the dissertation. 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 Articles 2, 15, 18, 19 and 29 of the [Study Guidelines of the UVMP](#), Part B.

- e) Conditions for passing individual parts of the study programme and the student's progress in the study programme :

- number of credits per core courses required for proper completion of the studies/completion of part of the study : 50
 - number of credits for compulsory courses required for proper completion of the studies/completion of part of the study : 10,
 - number of credits for the dissertation examination: 20
 - number of credits for the defence of the dissertation thesis required for proper completion of studies: 30
- 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 Articles 17, 18 and 25 of the [Study Guidelines of the UVMP](#), Part B.
- g) Conditions for the recognition of studies or part of studies:
UVMP in Košice addresses the conditions for recognition of studies or parts of studies in Articles 19, 38 and 42 of the [Study Guidelines of the UVMP](#), Part B.
- h) Topics of the PhD theses of the study programme:
UVMP in Košice annually lists the topics of the dissertation theses of the study programme *Infectious diseases of animals* is given hereunder as well as on the UVMP in Košice website.

<i>Name of the topic of the dissertation in part-time form in Slovak language</i>	<i>AY</i>	<i>Topics</i>
Alterácia imunokompetencie pri vybraných infekčných ochoreniach psov	2010/2011	+
Štúdium epizootologických aspektov parvovírusovej choroby mäsožravcov	2015/2016	+
Posúdenie rizík exotických chorôb v Európe	2019/2020	+
Cirkulácia herpesvírusov v animálnej populácii	2019/2020	+
Modulácia črevnej mikrobiocenózy a imunitnej odpovede včiel medonosných pomocou probiotických laktobacilov v novej aplikačnej forme	2020/2021	+

- i) UVMP in Košice has laid down:
- the rules for assigning, processing, opposing, defending and evaluating dissertation theses in Articles 1, 8, 9, 10, 25, 26, 27 and 28 of the [Study Guidelines of the UVMP](#), Part B,
 - possibilities and procedures for participation in student mobility in Article 42 of the internal regulation [Study Guidelines of the UVMP](#), Part B,
 - Code of Academic Ethics in the internal regulation [Disciplinary Procedure for Students](#), in the internal regulation UVMP Employee [Code of ethics for employees of the UVMP](#) and in the internal regulation [Student code of ethics at the UVMP](#),
 - procedures applicable to students with special needs in Part II, Article 2, point 7; Article 3, point 12 of the [Study Guidelines of the UVMP](#), Part B,
 - the procedures for filing complaints and appeals by the student are specified, in addition to the Study Regulations of UVMP in Košice, in particular in the internal regulation [Directive on the handling of complaints at the UVMP](#).

5. Information sheets of study programme courses

The information sheets of individual courses of the study programme have the structure established by the Decree of the Ministry of Education of the Slovak Republic No. 614/2002 Coll., as amended.

6. Current academic year schedule and current timetable

The current schedule of the academic year and the current class schedule 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: [Study Guide Book at the UVMP for academic year 2022/2023](#). PhD students study according to an individual study plan drawn up by the supervisor and the PhD student and approved by the person with the main responsibility for the implementation, development and quality assurance of the study programme.

7. Staff

- a) The person responsible for the implementation, development and quality of the study programme is Dr.h.c. Prof. Jana Mojžišová, DVM PhD., who is a tenured professor; working at the Department of Epidemiology, Parasitology and Protection of Public health of UVMP in Košice; e-mail jana.mojzisova@uvlf.sk mobile +421908716521.
- b) List of persons providing profile courses of the study programme:
Dr.h.c. Prof. Jana Mojžišová, DVM PhD.; Department of Epidemiology, Parasitology and Protection of Public health.
Prof. Anna Ondrejková, DVM PhD.; Department of Epidemiology, Parasitology and Protection of One Health.
Prof. Mária Levkutová, DVM PhD.; Department of Epidemiology, Parasitology and Protection of One Health.
Assoc. Prof. Ľuboš Korytár, DVM PhD.; Department of Epidemiology, Parasitology and Protection of One Health.
Assoc. Prof. Marián Prokeš, DVM PhD.; Department of Epidemiology, Parasitology and Protection of One Health.
- c) Scientific/artistic/pedagogical characteristics of persons providing profile subjects of the study programme are available on the quality portal of UVMP in Košice and direct links are given in Annex 1 of the internal evaluation report.
- d) List of teachers of the study programme with assignment to the course and link to the central register of university staff, with contact details:

<i>Teacher</i>	<i>course(s)</i>	<i>e-mail</i>	<i>tel.no.</i>	<i>CRE</i>
<i>Profile courses</i>				
Dr.h.c.prof. Jana Mojžišová, DVM PhD.	Contagious diseases of animals and animal health protection	jana.mojzisova@uvlf.sk	+421908716521	https://www.portalvs.sk/regzam/detail/6013
Prof. Anna Ondrejková, DVM PhD.		anna.ondrejкова@uvlf.sk	+421915984647	https://www.portalvs.sk/regzam/detail/2007
Assoc. Prof. Anna Jacková, DVM PhD.		anna.jackova@uvlf.sk	+421915984648	https://www.portalvs.sk/regzam/detail/6087
Assoc. Prof. Ľuboš Korytár, DVM PhD.		lubos.korytar@uvlf.sk	+421915976107	https://www.portalvs.sk/regzam/detail/20446

doc. MVDr. Marián Prokeš, PhD.		marian.prokes@uvlf.sk	+421905568677	https://www.portalvs.sk/egzam/detail/6118
Prof. Anna Ondrejková, DVM PhD.	Predictive epizootology	anna.ondrejková@uvlf.sk	+421915984647	https://www.portalvs.sk/regzam/detail/2007
Prof. Mária Levkutová, DVM PhD.		maria.levkutova@uvlf.sk	+421915984652	https://www.portalvs.sk/egzam/detail/6027
Assoc. Prof. Anna Jacková, DVM PhD.		anna.jackova@uvlf.sk	+421915984648	https://www.portalvs.sk/egzam/detail/6087
Assoc. Prof. Ľuboš Korytár, DVM PhD.		lubos.korytar@uvlf.sk	+421915976107	https://www.portalvs.sk/egzam/detail/20446
Assoc. Prof. Marián Prokeš, DVM PhD.		marian.prokes@uvlf.sk	+421905568677	https://www.portalvs.sk/egzam/detail/6118
Prof. Mária Levkutová, DVM PhD.		Zoonoses and one health protection	maria.levkutova@uvlf.sk	+421915984652
Prof. Anna Ondrejková, DVM PhD.	anna.ondrejková@uvlf.sk		+421915984647	https://www.portalvs.sk/egzam/detail/2007
Assoc. Prof. Anna Jacková, DVM PhD.	anna.jackova@uvlf.sk		+421915984648	https://www.portalvs.sk/egzam/detail/6087
Assoc. Prof. Ľuboš Korytár, DVM PhD.	lubos.korytar@uvlf.sk		+421915976107	https://www.portalvs.sk/egzam/detail/20446
Assoc. Prof. Marián Prokeš, DVM PhD.	marian.prokes@uvlf.sk		+421905568677	https://www.portalvs.sk/egzam/detail/6118
Assoc. Prof. Ľuboš Korytár, DVM PhD.	Risk assessment in epizootology		lubos.korytar@uvlf.sk	+421915976107
Prof. Mária Levkutová, DVM PhD.		maria.levkutova@uvlf.sk	+421915984652	https://www.portalvs.sk/egzam/detail/6027
Prof. Anna Ondrejková, DVM PhD.		anna.ondrejková@uvlf.sk	+421915984647	https://www.portalvs.sk/egzam/detail/2007
Assoc. Prof. Anna Jacková, DVM PhD.		anna.jackova@uvlf.sk	+421915984648	https://www.portalvs.sk/egzam/detail/6087
Assoc. Prof. Marián Prokeš, DVM PhD.		marian.prokes@uvlf.sk	+421905568677	https://www.portalvs.sk/egzam/detail/6118
Assoc. Prof. Marián Prokeš, DVM PhD.		Prevention of infectious diseases in animals	marian.prokes@uvlf.sk	+421905568677
Assoc. Prof. Ľuboš Korytár, DVM PhD.	lubos.korytar@uvlf.sk		+421915976107	https://www.portalvs.sk/egzam/detail/20446
Prof. Mária Levkutová, DVM PhD.	maria.levkutova@uvlf.sk		+421915984652	https://www.portalvs.sk/egzam/detail/6027
Prof. Anna Ondrejková, DVM PhD.	anna.ondrejková@uvlf.sk		+421915984647	https://www.portalvs.sk/egzam/detail/2007
Assoc. Prof. Anna Jacková, DVM PhD.	anna.jackova@uvlf.sk		+421915984648	https://www.portalvs.sk/egzam/detail/6087
Compulsory optional courses				
Assoc. Prof. Anna Jacková, DVM PhD.	Molecular epidemiology	anna.jackova@uvlf.sk	+421915984648	https://www.portalvs.sk/egzam/detail/6087

Assoc. Prof. Marián Prokeš, DVM PhD.		marian.prokes@uvlf.sk	+421905568677	https://www.portalvs.sk/r/egzam/detail/6118
Assoc. Prof. Ľuboš Korytár, DVM PhD.		lubos.korytar@uvlf.sk	+421915976107	https://www.portalvs.sk/r/egzam/detail/20446
Prof. Mária Levkutová, DVM PhD.		maria.levkutova@uvlf.sk	+421915984652	https://www.portalvs.sk/r/egzam/detail/6027
Prof. Anna Ondrejková, DVM PhD.		anna.ondrejková@uvlf.sk	+421915984647	https://www.portalvs.sk/r/egzam/detail/2007
Prof. Juraj Pistl, DVM PhD.	General and special virology	juraj.pistl@uvlf.sk	+421915984588	https://www.portalvs.sk/r/egzam/detail/5981
Assoc. Prof. Tomáš Csank, DVM PhD.		tomas.csank@uvlf.sk	+421905480897	https://www.portalvs.sk/r/egzam/detail/6133
Assoc. Prof. Jana Koščová, DVM PhD.	General and special bacteriology	jana.koscova@uvlf.sk	+421905480897	https://www.portalvs.sk/r/egzam/detail/6093
Prof. Emil Pilipčinec, DVM PhD.		emil.pilipcinec@uvlf.sk	+421905899434	https://www.portalvs.sk/r/egzam/detail/5988
Prof. Juraj Pistl, DVM PhD.		juraj.pistl@uvlf.sk	+421915984588	https://www.portalvs.sk/r/egzam/detail/5981
Assoc. Prof. Tomáš Csank, DVM PhD.		tomas.csank@uvlf.sk	+421905480897	https://www.portalvs.sk/r/egzam/detail/6133
Prof. Róbert Herich, DVM PhD.	Diagnostic pathology	robert.herich@uvlf.sk	+421915984709	https://www.portalvs.sk/r/egzam/detail/6077
Prof. Zuzana Ševčíková, DVM PhD.		zuzana.sevcikova@uvlf.sk	+421915984707	https://www.portalvs.sk/r/egzam/detail/6009
Assoc. Prof. Viera Revajová, DVM PhD.		viera.revajova@uvlf.sk	+421915984708	https://www.portalvs.sk/r/egzam/detail/6011
Assoc. Prof. Martin Levkut, DVM PhD.		martin.levkut@uvlf.sk	+421905472877	https://www.portalvs.sk/r/egzam/detail/17786
Assoc. Prof. Dagmar Mudroňová, DVM PhD.	Veterinary immunology	dagmar.mudronova@uvlf.sk	+421915986954	https://www.portalvs.sk/r/egzam/detail/6094
Prof. Ľudmila Tkáčiková, DVM PhD.		ludmila.tkacikova@uvlf.sk	+421915984603	https://www.portalvs.sk/r/egzam/detail/5991
Assoc. Prof. Peter Lazár, DVM PhD.	Infectious diseases of wild game	peter.lazar@uvlf.sk	+421915984569	https://www.portalvs.sk/r/egzam/detail/6016
Assoc. Prof. Ján Čurlík, DVM PhD.		jan.curlik@uvlf.sk	+421915984642	https://www.portalvs.sk/r/egzam/detail/6068
Assoc. Prof. Peter Korim, DVM PhD.	Forensic and public veterinary medicine	peter.korim@uvlf.sk	+421915984609	https://www.portalvs.sk/r/egzam/detail/6043
Assoc. Prof. Daniela Takáčová, DVM PhD.		daniela.takacova@uvlf.sk	+421915984608	https://www.portalvs.sk/r/egzam/detail/6038
Assoc. Prof. Nad'a Sasáková, DVM PhD.	Ecology and environmental protection	nada.sasakova@uvlf.sk	+421915984672	https://www.portalvs.sk/r/egzam/detail/6090

e) List of thesis supervisors with assignment to topics (with contact details):

<i>Dissertation topic</i>	<i>Supervisor</i>	<i>Contact</i>
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Alterácia imunokompetencie pri vybraných infekčných ochoreniach psov Štúdium epizootologických aspektov parvovírusovej choroby mäsožravcov Posúdenie rizík exotických chorôb v Európe	Dr. h. c. prof. MVDr. Jana Mojžišová, PhD.	jana.mojzisova@uvlf.sk
Cirkulácia herpesvírusov v animálnej populácii	prof. MVDr. Peter Reichel, CSc.	peter.reichel@uvlf.sk
Modulácia črevnej mikrobiocenózy a imunitnej odpovede včiel medonosných pomocou probiotických laktobacilov v novej aplikačnej forme	doc. MVDr. Juraj Toporčák, PhD.	juraj.toporcak@uvlf.sk

- f) Supervisors of PhD students are university teachers in the position of professor and associate professor in the relevant field of study, scientists with scientific qualification degree I and IIa and other distinguished experts from the Slovak Academy of Sciences. The supervisors are approved by Scientific Board of UVMP. Scientific and pedagogical characteristics of thesis supervisors are available on the quality portal of UVMP in Košice through the study plan or directly at <https://qa.uvlf.sk/vupch-viewer/?regzam=X> where X is the employee number on the HE Portal (e.g.. <https://www.portalvs.sk/regzam/detail/6013> - Employee record on the University portal, <https://qa.uvlf.sk/vupch-viewer/?regzam=6013> - VUPCH employee on the quality portal of UVMP in Košice).
- g) Student representatives who represent the interests of PhD students (name and contact details):
The member of the study programme committee were the students of veterinary medicine Marek Ratvay, DVM e-mail: marek.ratvay@student.uvlf.sk; Teodora Blatníková, DVM e-mail: teodora.blatnikova@student.uvlf.sk; Pavel Gomulec, DVM e-mail: pavel.gomulec@student.uvlf.sk
- h) Study programme advisor: vice-rector for research and PhD studies at UVMP in Košice
- i) Other study programme support staff - assigned study officer: Júlia Jančura, Mgr. e-mail julia.jancura@uvlf.sk; career counsellor: the position of the career counsellor is performed by the PhD student's supervisor.

8. Premises, tools and technical equipment

- a) List and characteristics of the study programme classrooms and their technical equipment with assignment to learning outcomes and courses:

Course	Characteristics of material and technical equipment	Pavilion number and room designation
Contagious diseases of animals and animal health protection	The material and technical equipment of the workplace for teaching the course "Contagious diseases of animals and animal health protection" includes premises (training rooms and laboratories), which are arranged and equipped for the detection and study of pathogens - agents of infectious diseases or animal diseases. Two modern training rooms, which include changing rooms for students, a room for the preparation of material for seminars, are located in the P1 pavilion on the 2nd floor, where special laboratories of the Department are also set up: a bacteriological laboratory, a virological laboratory for the isolation and identification of RNA and DNA viruses, which are equipped with the following facilities: BSL2 laminar boxes, PCR	P1 seminar rooms 335, 336, 337, 319, 329; bacteriology laboratory 331-332; virology laboratories 313-316; 304-306, 321; imaging techniques laboratory 311; serology, immunology and cell culture laboratories (308-310, 318)

	<p>boxes, robotic nucleic acid isolator, centrifuges, ultracentrifuge, thermocyclers for PCR, real-time PCR, digital droplet PCR; the department also has an imaging laboratory equipped with electrophoretic apparatus, automated imaging and documentation system, automated chip electrophoresis. The serology, immunology and cell culture laboratories are equipped with: BSL2 laminar boxes, centrifuges, thermostats, ELISA reader, Synergy HTX multi-mode reader, inverted microscope, spectrophotometer, amine acid separation equipment, lyophilization equipment and others. Labs include: deep freeze boxes, fluorescence microscopes, phase contrast microscope, thermostats, CO₂ incubators, autoclaves, Dewar vessels, refrigerators, freezers, and more. Part of the teaching is carried out in outpatient clinics, isolation and quarantine rooms, laboratories, which is available to the Department in P40 (University Veterinary Hospital); field teaching is carried out at the Zemplínska Teplica SPS (livestock farms, training rooms, laboratories used for primary processing of material); at the special purpose workplaces of the University - the Equestrian Complex, the Special Purpose Facility for Breeding and Diseases of Game, Fish and Bees in Rozhanovce; or at the University of Veterinary Medicine in Rozhanovce; or at the University of Veterinary Medicine. in livestock farms (contract with the ŠVPS, relevant RVPS, zoo garden, shelters, etc.).</p>	<p>P40 ambulance, isolation and quarantine premises, laboratories, rooms No. 114-120); ŠPP Zemplínska Teplica n.o., Equestrian complex, Purpose-built facility for breeding and diseases of game, fish and bees in Rozhanovce.</p>
<p>Zoonoses and one health protection</p>	<p>The material and technical equipment of the workplace for teaching the course "Zoonoses and protection of public health" includes premises (training rooms and laboratories), which are arranged and equipped for the detection and study of zoonotic pathogens - zoonotic agents (viral, bacterial and mycotic). Two modern training rooms, which include changing rooms for students, a room for the preparation of material for seminars, are located in Pavilion P1 on the 2nd floor, where the special laboratories of the Department are also set up: a bacteriological laboratory, a virological laboratory for the isolation and identification of RNA and DNA viruses, which are equipped with the following: BSL2 laminar boxes, PCR boxes, robotic nucleic acid isolator, centrifuges, ultracentrifuge, thermocyclers for PCR, real-time PCR, digital droplet PCR; the department also has an imaging laboratory equipped with electrophoretic apparatus, automated imaging and documentation system, automated chip electrophoresis. The serology, immunology and cell culture laboratories are equipped with: BSL2 laminar boxes, centrifuges, thermostats, ELISA reader, Synergy HTX multi-mode reader, inverted microscope, spectrophotometer, amine acid separation equipment, lyophilization equipment and others. Labs are equipped with the following: deep freeze boxes, fluorescence microscopes, phase contrast microscope, thermostats, CO₂ incubators, autoclaves, Dewar vessels, refrigerators, freezers, and more. Part of the teaching is carried out in the clinical area (outpatient clinic, isolation and quarantine rooms, laboratories), which is available to the Department in P40 (University Veterinary Hospital); in livestock farms (contract with the ŠVPS, relevant RVPS, zoo garden, shelters, etc.).</p>	<p>P1 training rooms 335, 336, 337, 319, 329; bacteriology laboratory 331-332; virology laboratories 313-316; 304-306, 321; imaging techniques laboratory 311; serology, immunology and cell culture laboratories (308-310, 318) P40 ambulance, isolation and quarantine premises, laboratories, rooms No. 114-120); ŠPP Zemplínska Teplica n.o., Equestrian area, Purpose-built facility for breeding and diseases of game, fish and bees in Rozhanovce.</p>
<p>Predictive epizootology</p>	<p>The material and technical equipment of the workplace for the teaching of the course "Predictive epizootology" (training rooms and laboratories) are arranged and equipped specifically for the detection and study of pathogens - agents of infectious diseases (viral, bacterial and mycotic), including the conduct of epidemiological studies aimed at analysis, evaluation, modelling and forecasting in epidemiology. Two modern training rooms, which include changing rooms for students, a room for the</p>	<p>P1 training rooms 335, 336, 337, 319, 329; bacteriology laboratory 331-332; virology laboratories 313-316; 304-306, 321; imaging techniques laboratory 311; serology,</p>

	<p>preparation of material for seminars, are located in Pavilion P1 on the 2nd floor, where the special laboratories of the department are also established: bacteriological laboratory, virological laboratory for the isolation and identification of RNA and DNA viruses, which are equipped: BSL2 laminar boxes, PCR boxes, robotic nucleic acid isolator, centrifuges, ultracentrifuge, thermocyclers for PCR, real-time PCR, digital droplet PCR; the department also has an imaging laboratory equipped with electrophoretic apparatus, automated imaging and documentation system, automated chip electrophoresis. The serology, immunology and cell culture laboratories are equipped with: BSL2 laminar boxes, centrifuges, thermostats, ELISA reader, Synergy HTX multi-mode reader, inverted microscope, spectrophotometer, amine acid separation equipment, lyophilization equipment and others. Labs include: deep freeze boxes, fluorescence microscopes, phase contrast microscope, thermostats, CO₂ incubators, autoclaves, Dewar vessels, refrigerators, freezers, and more. Part of the teaching is carried out in the clinical area (outpatient clinic, isolation and quarantine rooms, laboratories), which is available to the Department in P40 (University Veterinary Hospital); in livestock farms (contract with the ŠVPS, relevant RVPS, zoo garden, shelters, etc.).</p>	<p>immunology and cell culture laboratories (308-310, 318) P40 ambulance, isolation and quarantine premises, laboratories, rooms No. 114-120); ŠPP Zemplínska Teplica n.o., Equestrian area, Purpose-built facility for breeding and diseases of game, fish and bees in Rozhanovce.</p>
Risk assessment in epizootology	<p>The material and technical equipment of the workplace for teaching the course "Risk assessment in epizootology" (training rooms and laboratories) are arranged and equipped for the detection and study of pathogens - agents of infectious diseases (viral, bacterial and mycotic), including the epidemiological studies aimed at analysis, evaluation, modelling and forecasting in epidemiology. Two modern training rooms, which include changing rooms for students, a room for the preparation of material for seminars, are located in Pavilion P1 on the 2nd floor, where the special laboratories of the department are also established: bacteriological laboratory, virological laboratory for the isolation and identification of RNA and DNA viruses, which are equipped: BSL2 laminar boxes, PCR boxes, robotic nucleic acid isolator, centrifuges, ultracentrifuge, thermocyclers for PCR, real-time PCR, digital droplet PCR; the department also has an imaging laboratory equipped with electrophoretic apparatus, automated imaging and documentation system, automated chip electrophoresis. The serology, immunology and cell culture laboratories are equipped with: BSL2 laminar boxes, centrifuges, thermostats, ELISA reader, Synergy HTX multi-mode reader, inverted microscope, spectrophotometer, amine acid separation equipment, lyophilization equipment and others. Labs are equipped with the following: deep freeze boxes, fluorescence microscopes, phase contrast microscope, thermostats, CO₂ incubators, autoclaves, Dewar vessels, refrigerators, freezers, and more. Part of the teaching is carried out in the clinical area (outpatient clinic, isolation and quarantine rooms, laboratories), which is available to the Department in P40 (University Veterinary Hospital); field teaching is carried out at the Zemplínska Teplica SPS (livestock farms, training rooms, laboratories used for primary processing of material); at the special purpose workplaces of the University - Equestrian area, special-purpose facility for breeding and diseases of game, fish and bees in Rozhanovce; or at the University's special purpose facility for breeding and diseases of game, fish and bees in Rozhanovce. in livestock farms (contract with the ŠVPS, relevant RVPS, zoo garden, shelters, etc.).</p>	<p>P1 seminar rooms 335, 336, 337, 319, 329; bacteriology lab 331-332; virology labs 313-316; 304-306, 321; imaging techniques lab 311; serology, immunology, and cell culture labs (nos. 308-310, 318); P40 ambulance, isolation and quarantine premises, laboratories, rooms No. 114-120); ŠPP Zemplínska Teplica n.o., Equestrian area, Purpose-built facility for breeding and diseases of game, fish and bees in Rozhanovce.</p>
Prevention of infectious diseases in animals	<p>The material and technical equipment of the workplace for teaching the course "Prevention of infectious diseases in animals" (training rooms and laboratories) are arranged and equipped for the detection and study of pathogens - agents of infectious</p>	<p>P1 seminar rooms 335, 336, 337, 319, 329; bacteriology laboratory 331-332;</p>

	<p>diseases (viral, bacterial and mycotic), including the implementation of epidemiological studies aimed at the prevention and control of infectious diseases in animals. Two modern training rooms, which include changing rooms for students, a room for preparation of material for exercises, are located in Pavilion P1 on the 2nd floor, where special laboratories of the Department are also established: bacteriological laboratory, virological laboratory for isolation and identification of RNA and DNA viruses, which are equipped: BSL2 laminar boxes, PCR boxes, robotic nucleic acid isolator, centrifuges, ultracentrifuge, thermocyclers for PCR, real-time PCR, digital droplet PCR; the department also has an imaging laboratory equipped with electrophoretic apparatus, automated imaging and documentation system, automated chip electrophoresis. The serology, immunology and cell culture laboratories are equipped with: BSL2 laminar boxes, centrifuges, thermostats, ELISA reader, Synergy HTX multi-mode reader, inverted microscope, spectrophotometer, amine acid separation equipment, lyophilization equipment and others. Labs include: deep freeze boxes, fluorescence microscopes, phase contrast microscope, thermostats, CO₂ incubators, autoclaves, Dewar vessels, refrigerators, freezers, and more. Part of the teaching is carried out in the clinical area (outpatient clinic, isolation and quarantine rooms, laboratories), which is available to the Department in P40 (University Veterinary Hospital); field teaching is carried out at the Zemplínska Teplica SPS (livestock farms, training rooms, laboratories used for primary processing of material); at the special purpose workplaces of the University - Equestrian area, Special purpose facility for breeding and diseases of game, fish and bees in Rozhanovce; or at the University's special purpose facility for breeding and diseases of game, fish and bees in Rozhanovce. in livestock farms (contract with the ŠVPS, relevant RVPS, zoo garden, shelters, etc.).</p>	<p>virology laboratories 313-316; 304-306, 321; imaging techniques laboratory 311; serology, immunology and cell culture laboratories (308-310, 318) P40 ambulance, isolation and quarantine premises, laboratories, rooms No. 114-120); ŠPP Zemplínska Teplica n.o., Equestrian area, Purpose-built facility for breeding and diseases of game, fish and bees in Rozhanovce.</p>
Molecular epidemiology	<p>The material and technical equipment of the workplace for teaching the course "Molecular Epidemiology" (training rooms and laboratories) are arranged and equipped for the detection and study of pathogens - infectious disease agents from the point of view of molecular epidemiology. Two modern training rooms, which include changing rooms for students, a room for the preparation of material for exercises, are located in Pavilion P1 on the 2nd floor, where the special laboratories of the Department are also set up: a bacteriological laboratory, a virological laboratory for the isolation and identification of RNA and DNA viruses, which are equipped with the following: BSL2 laminar boxes, PCR boxes, robotic nucleic acid isolator, centrifuges, ultracentrifuge, thermocyclers for PCR, real-time PCR, digital droplet PCR; the department also has an imaging laboratory equipped with electrophoretic apparatus, automated imaging and documentation system, automated chip electrophoresis. The serology, immunology and cell culture laboratories are equipped with: BSL2 laminar boxes, centrifuges, thermostats, ELISA reader, Synergy HTX multi-mode reader, inverted microscope, spectrophotometer, amine acid separation equipment, lyophilization equipment and others. Labs include: deep freeze boxes, fluorescence microscopes, phase contrast microscope, thermostats, CO₂ incubators, autoclaves, Dewar vessels, refrigerators, freezers, and more.</p>	<p>P1 practice rooms #335, 336, 337, 319, 329; bacteriology lab #331-332; virology labs #313-316; 304-306, 321; imaging techniques lab #311; serology, immunology, and cell culture labs (#308-310, 318).</p>
General and special virology	<p>Material and equipment for bacteriological and virological diagnostics and molecular biology: Thermostats, autoclaves, refrigerators, BSL2 laminar boxes, PCR boxes, conventional and refrigerated benchtop centrifuges, benchtop ultracentrifuge, thermocyclers for PCR and qPCR, Synergy 2 multidetection</p>	<p>P3</p>

	equipment, light inverted microscopes, Axio Observer fluorescence microscope (Zeiss) extended with Apotome 3 (Zeiss), technical extension of the Axio Observer microscope for "live cell imaging", CO ₂ incubator, electrophoretic apparatus, deep freezing boxes, isolates for gnotobiotic animals	
General and special bacteriology	Material and equipment for bacteriological and virological diagnostics and molecular biology: Thermostats, autoclaves, refrigerators, BSL2 laminar boxes, PCR boxes, conventional and refrigerated benchtop centrifuges, benchtop ultracentrifuge, thermocyclers for PCR and qPCR, Synergy 2 multidetection equipment, light inverted microscopes, Axio Observer fluorescence microscope (Zeiss) extended with Apotome 3 (Zeiss), technical extension of the Axio Observer microscope for "live cell imaging", CO ₂ incubator, electrophoretic apparatus, deep freezing boxes, isolates for gnotobiotic animals	P3 Workplace Pri hati 10
Diagnostic pathology	The premises where teaching of the course "Diagnostic pathology" takes place includes the premises of autopsy rooms for the dissection of large and small animals, histological laboratories and training rooms. Material and technical equipment includes sledge microtomes (Slide 2003 - Medical Germany and Histoslide 2000, Leica - Reichert - Jung), tissue processor - Shandon Citadel, watering device WD4, light microscopes with camera: Motic, Nikon Eclipse - camera, image analysis software NIS Elements ADR - fy. Nikon, instruments, equipment and aids for dissection, thermostats, cooling and freezing equipment, didactic equipment.	P17/C
Veterinary immunology	Material and equipment for bacteriological and virological diagnostics and molecular biology: Thermostats, autoclaves, refrigerators, BSL2 laminar boxes, PCR boxes, conventional and refrigerated benchtop centrifuges, benchtop ultracentrifuge, thermocyclers for PCR and qPCR, Synergy 2 multidetection equipment, light inverted microscopes, Axio Observer fluorescence microscope (Zeiss) extended with Apotome 3 (Zeiss), technical extension of the Axio Observer microscope for "live cell imaging", CO ₂ incubator, electrophoretic apparatus, deep freezing boxes, isolates for gnotobiotic animals	P3 Workplace Pri hati 10
Infectious diseases of wild game	The training room and laboratories are equipped to process samples from wild animal species specifically for the detection and study of infectious and parasitic agents of infectious diseases; in the case of infectious diseases, diagnostics is based on examinations at specialized UVMP and ŠVPS workplaces. Technical equipment is standard for the initial processing of field samples - freezers, microscopes, thermostats, autoclaves, refrigerators and others.	P2 Purpose-built facility for breeding and diseases of game, fish and bees Rozhanovce - field practical training
Public and forensic veterinary medicine	Computer technology, data projector, software equipment for the performance of official veterinary activities	P5 - training room No. 2
Ecology and environmental protection	Laboratory for microbiological analysis of water samples, excreta, etc., analysis of bacteriological swabs to check the effectiveness of disinfection (nutrient media, petri dishes, etc.). Laboratory for physico-chemical analyses, pH and conductivity meter, Oxymeter (LDO electrode with HQ Series Portable Meters fy. Hach, dryer (105 °C), muffle furnace (550 °C), water bath, spectrophotometer DR 2 800 phy. Hach, reactor for determination of COD, reactor for determination of COD, reactor for determination of COD, reactor for determination of COD. Hach, Digestdahl reactor fy. Hach, case set (VISOCOLOR® ECO for colorimetric testing of drinking water by Merck)	P3-2. NP, training room 1 and 2, laboratory 1

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 provision of educational activities of the study programme and characteristics of their participation: the SAV and the ŠVPS SR, KVL.
- e) Characteristics of social, sporting, cultural, spiritual and community facilities:
UVMP in Košice provides its students with a wide range of opportunities for all-round enjoyment in all of the above areas (a detailed description is included in the internal evaluation report).
- f) Mobility and internships opportunities (with contact details), application instructions, rules for recognizing this education:
Students of the 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 and Internationalisation and the organisational unit managed by her, which is the UVMP Mobility Office. The whole process requires coordination with the supervisor, and is recommended after the study part of the study plan has been completed. Participation in mobility and other contexts are regulated in Article 42 of the [Study Guidelines of the UVMP](#), Part B.

9. Required abilities and prerequisites of the candidate for the study programme

- a) Required competences and prerequisites for admission to study:
They are laid down in Article 1 and Article 2, Part B, Part II Organisation of Studies of the Internal Regulations of the [Study Guidelines of the UVMP](#).
- b) Admission procedures:
These are laid down in Article 3 and Article 4, Part B, Part II Organisation of Studies of the Internal Regulations of the [Study Guidelines of the UVMP](#). Examination boards for admission examinations are at least 4-member and are appointed by the Rector on an ad hoc basis according to the the study programmes to which students apply.
- c) The results of the admissions procedure for the most recent period, which we consider to be the period of the standard length of study (4 academic years):
AR 2017/2018; 0 applicants registered;
AR 2018/2019; 0 applicants registered;
AR 2019/2020; 2 applicants applied 1, 2 applicants accepted, 2 applicants enrolled and accepted;
AR 2020/2021; 1 applicant applied, 1 applicant accepted, 1 applicant enrolled and accepted;
AR 2021/2022; 0 applicants registered.

The results of the admission procedure for the last 6 years: 3 applied applicants, 3 accepted and 2 phd students graduated.

10. Feedback on the quality of education provided

- a) Procedures for monitoring and evaluating students' views on the quality of the study programme:

The students of UVMP in Košice can evaluate the quality of teaching anonymously through an anonymous questionnaire after graduation, where they evaluate the quality of a particular study programme and the quality of the lecturers who provide the course. Monitoring of study programmes is also continuously carried out by the coordinators of individual fields (5) of science and research at UVMP.

- b) Results of student feedback and related 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 report on activities UVMP 2021 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.

- c) Results of alumni feedback and related measures for improving the quality of the study programme:

The results of alumni feedback and related measures to improve the quality of the study programme are included in the Annual Reports on the Activities of UVMP in Košice and Annual Reports on the Quality of UVMP in Košice for individual academic years. As part of the study programme quality improvement, the results of graduate evaluations are discussed once a year at the relevant committee for the establishment, modification and periodic evaluation of study programmes, where individual comments and proposals for improving the quality of the study programme are discussed. From the academic year 2022/2023, the UVMP will evaluate the readiness of graduates in the form of an electronic questionnaire for employers, which is available at <https://forms.gle/z1h9u3rd2g9H589P7>.

11. Overview of long-term and continuous success in obtaining financial support

P.no.	Project number	From	To	Project name	Provider	Principal Investigator / Co-Principal Investigator
1	1/0886/11	2011	2013	Cytokines and receptor expression on immunocompetent cells in the active phase of Salmonella infection in chickens and hens	SGA	Prof. Mária Levkutová, DVM PhD.
2	APVV-0379-10	2011	2014	Classical, genomic and proteomic approaches to the investigation of economically important viral diseases in livestock	RDPA	Prof. Štefan Vilček, Ing. DSc.
3	APVV-12-0605	2013	2017	Potentiating the efficacy of vaccines against rabies and other lyssavirus infections with a new type of adjuvant, studying selected pathogens in bat populations	RDPA	Prof. Anna Ondrejková, DVM PhD.
4	1/0379/13	2013	2015	Study of selected etiological agents of infectious diseases of wild birds, their zoonotic potential and public health threats	SGA	Assoc. Prof. Marián Prokeš, DVM PhD.
5	1/0342/14	2014	2016	Identification and analysis of agents in mixed viral infections of pigs and wild boars	SGA	Prof. Štefan Vilček, Ing. DSc.
6	1/0553/15	2015	2017	Study of the effect of selected immunomodulatory agents in relation to therapy and prevention of infectious diseases in animals	SGA	Dr. h. c. Prof. Jana Mojžišová, DVM PhD.
7	1/0591/15	2015	2017	Study of selected pathogens in insectivorous bat populations	SGA	Prof. Anna Ondrejková, DVM PhD.
8	1/0483/15	2015	2017	In vitro immunological selection of probiotic bacterial strains for their use in the prevention of intestinal infectious diseases	SGA	Prof. Mária Levkutová, DVM PhD.
9	2/0125/15	2015	2017	Analysis of post-traumatic inflammatory and regenerative processes along the rostro-caudal axis of the spinal cord after mesenchymal stem cell administration: an immunohistochemical and neuroproteomic study	SGA	Milan Čížek, DVM PhD.
10	08/2016	2016	2017	Serological monitoring of Usutu virus infection and detection of Borrelia myiamotoi in wild birds in Slovakia	IGA	Assoc. Prof. Ľuboš Korytár, DVM PhD.
11	APVV-15-0415	2016	2020	Porcine and wild boar gastrointestinal tract virus: identification and analysis of viral agents.	RDPA	Prof. Štefan Vilček, Ing. DSc.
12	002UVLF-4/2017	2017	2019	BVDV recovery programmes in cattle: knowledge transfer on the practice-teaching-practice axis	CEGA	Prof. Štefan Vilček, Ing. DSc.

13	04/2018	2018	2019	Study of anaplasmosis in horse breeding in selected localities in Slovakia	IGA	Monika Drážovská, DVM PhD.
14	014UVLF-4/2019	2019	2021	Tropical veterinary medicine	CEGA	Assoc. Prof. Marián Prokeš, DVM PhD.
15	1/0429/20	2020	2022	Molecular genetic characterization of hepatitis E virus in food animals and risks to the human population	SGA	Assoc. Prof. Anna Jacková, DVM PhD.
16	1/0368/21	2021	2024	Toll-like receptor 3 mutations and their impact on cell-mediated immune response in relation to susceptibility to selected flavivirus infections in animals	SGA	Monika Drážovská, DVM PhD.
17	008UVLF-4/2022	2022	2024	Animal coronavirus diseases	CEGA	Boris Vojtek, DVM PhD.

12. 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](#)