

Description of the study programme Veterinary Obstetrics and Gynaecology in the third level in full-time form of study in English 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:

22. 8. 2022

Date of the last change to the study programme description:

15. 8. 2022

Decision No. 2015-18852/46465:3-15A0 of 30.10.2015. 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: Veterinary Obstetrics and Gynaecology

The level of the study: Level 3

Code of the study programme: 103993

1. Basic data about the study programme

- a) The name of the study programme and the number according to the register of study programmes:
Veterinary Obstetrics and Gynaecology, code 103993, 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) Place of study programme implementation:
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 degree awarded.
Philosophiae doctor PhD.

- g) Form of study:
Full-time
- h) The language in which the study programme is conducted:
English language
- i) Standard length of study expressed in academic years:
4 academic years
- j) Capacity of the study programme (planned number of students): capacity of the study programme: planned number of students - according to the dissertation topics, actual number of applicants in the last 6 years: 0; number of PhD studies graduates in the last 6 years: 0
- k) Information about the study programme:
https://qa.uvlf.sk/en/sprg_info/?sprg_id=47&ar=20222023

2. Graduate profile and learning objectives

- a) The learning objectives of the Veterinary Obstetrics and Gynaecology study programme are methodologically based on the European Qualifications Framework for Lifelong Learning (EQF). This defines the requirements for learning outcomes for knowledge, skills and competences. For level 8, the learning outcomes required are broad knowledge in a given field of work or field of study, including a critical understanding of theories and principles of expertise and methodological knowledge in several areas of the discipline or practice, serving as a basis for innovations in practice, research or artistic areas necessary for designing research and development or developing an area of professional practice. The focus of the courses, the core knowledge and the required skills are described in detail in the syllabi of the compulsory courses. Additional knowledge is achieved by completing other compulsory courses of the study programme. The study programme includes veterinary obstetrics, gynaecology, andrology and artificial insemination under physiological and pathological conditions, and differs from the disciplines of veterinary morphology and physiology, internal animal diseases, toxicology and environmental factors, veterinary surgery, orthopaedics and radiology, animal nutrition and dietetics, particular attention is being paid to the pathology of the reproductive cycle and childbirth, puerperium, obstetric surgery and biotechnical methods of managing the reproductive process (induction of estrus and ovulation, superovulation, gamete retrieval for in vitro technologies, embryo transfer, creation of transgenic animals, diagnosis of pregnancy, induction of labour, active puerperium management) and diagnostic therapeutic and preventive procedures for reproductive disorders in livestock, domestic animals and wildlife.

Responsibility and autonomy defined for Level 8 is *"are the ability to display considerable authority, innovation, independence, scientific 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. Considers social, scientific and ethical aspects in formulating research intentions and interpretation of research results. The graduate 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 application of acquired knowledge in practice. The graduate presents the results of research and development independently to the professional community, can determine the focus of research and coordinate a team in scientific

investigation, independently design, validate and implement new research and working practices based on own outputs and findings.

- b) Graduates of the study programme of Veterinary obstetrics and gynaecology will become familiar with the theoretical and practical foundations of the scientific approach to solving a wide range of problems arising from organisational and behavioural deficiencies, inappropriate nutrition, exposure to toxic environment and toxic substances in the environment, which are manifested by hormonal changes during the onset of puberty, gestation, childbirth and puerperium. By completing this study programme, the graduate will master the basic principles and methods of scientific work in reproduction, the assessment of the correct research objective, the scientific principles of interpretation of results (mathematical models, statistical evaluations), the implementation of the obtained results in clinical and breeding practice by proposing new preventive and therapeutic methods used by the Chamber of Veterinary Surgeons at the level of the veterinary district, veterinary dispensaries, outpatient clinics, hospitals, as well as by the broader breeding practice. The skills achieved by the learning outcomes corresponding to Level 8 includes broad skills demonstrating the mastery and sense of innovation required to solve complex and unpredictable problems in a specialised area of study. The Veterinary Obstetrics and Gynaecology addresses the impact of negative factors acting on the reproductive performance of livestock, domestic animals and wildlife at different levels of knowledge - molecular, cellular, organ and functional. The graduate will be introduced to experimental and scientific approaches in the hormonal control of the relationships between nutrition, environment and the biological organism at different levels in both sexes (female and male). The broadly defined competences for level 8 of the EQF are - the ability to manage complex technical or professional activities or projects, to take responsibility for decision making in unpredictable situations, to accept responsibility for managing the professional development of individuals and groups. The specific competences depend on the graduate's employment status. A graduate of the study programme Veterinary Obstetrics and Gynaecology can work as a university teacher, scientific researcher, clinical specialist and expert in the field of consultancy for the Chamber of Veterinary Surgeons (veterinary clinics and hospitals), breeders' organisations, breeders' associations of individual species of livestock, domestic animals, and hunting special-purpose establishments as well as hunting grounds.
- 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 Surgeons of the Slovak Republic - https://qa.uvlf.sk/vsk/docs/vzs_vpag_kvlsr.pdf

3. Job prospects

- a) Graduates of the study programme Veterinary Obstetrics and Gynaecology can work as university teachers, scientific researchers, clinical specialists and experts in the field of consulting for the Chamber of Veterinary Surgeons (veterinary clinics and hospitals), breeding organisations, breeders' associations of individual species of farm and domestic animals and hunting special purpose facilities and hunting grounds.
- b) Examples of successful graduates of the study programme Veterinary Obstetrics and Gynaecology are: As of the 2007/2008 academic year, there have been no graduates in this degree programme in the full-time form to date.
- 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 Veterinary Obstetrics and Gynaecology 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 full-time:
https://qa.uvlf.sk/en/ais/sp/?ar=2022-2023&sprg_id=47

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 Veterinary Obstetrics and Gynaecology are available via links directly in the study plan:

https://qa.uvlf.sk/en/ais/sp/?ar=2022-2023&sprg_id=47

- 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:
Since the academic year 2006/2007 no dissertation topic has been announced in this study programme in the full-time form of study.
- 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 Prof. Igor Valocký, DVM PhD., who is a tenured professor; working at the

Equine Clinic at the University Veterinary Hospital; e-mail igor.valocky@uvlf.sk; mobile +421915984677.

- b) List of persons providing profile courses of the study programme:
 Prof. Igor Valocký, DVM PhD.; Equine Clinic,
 Prof. František Novotný, DVM PhD.; Equine Clinic,
 Assoc. Prof. Ján Pošivák, DVM PhD. , Department of Ruminants,
 Assoc. Prof. Radoslava Vlčková, DVM PhD., Department of Biology and Physiology,
 Assoc. Prof. Zuzana Kostecká, DVM PhD., Department of Chemistry, Biochemistry and Biophysics.
- 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</i>	<i>e-mail</i>	<i>mobile</i>	<i>CRZ</i>
Profile courses				
Prof. Igor Valocký, DVM PhD.	Veterinary gynaecology	igor.valocky@uvlf.sk	+421915984677	https://www.portalvs.sk/regzam/detail/6025
Prof. František Novotný, DVM PhD.		frantisek.novotny@uvlf.sk	+421915984693	https://www.portalvs.sk/regzam/detail/6003
Prof. František Novotný, DVM PhD.	Veterinary obstetrics	frantisek.novotny@uvlf.sk	+421915984693	https://www.portalvs.sk/regzam/detail/6003
Prof. Igor Valocký, DVM PhD.		igor.valocky@uvlf.sk	+421915984677	https://www.portalvs.sk/regzam/detail/6025
Assoc. Prof. Zuzana Kostecká, DVM PhD.	Reproductive endocrinology	zuzana.kostECKa@uvlf.sk	+421915984692	https://www.portalvs.sk/regzam/detail/6058
doc. MVDr. Ján Pošivák, PhD	Andrology and artificial insemination	jan.posivak@uvlf.sk	+421915984645	https://www.portalvs.sk/regzam/detail/5996
Assoc. Prof. Radoslava Vlčková, DVM PhD.	Veterinary physiology	radoslava.vlckova@uvlf.sk	+421915986681	https://www.portalvs.sk/regzam/detail/6100
Compulsory optional courses				
Prof. Igor Valocký, DVM PhD.	Veterinary obstetrics	Igor.valocky@uvlf.sk	+421915984677	https://www.portalvs.sk/regzam/detail/6025
prof. MVDr. František Novotný, PhD.	Veterinary gynaecology	frantisek.novotny@uvlf.sk	+421915984693	https://www.portalvs.sk/regzam/detail/6003
Assoc. Prof. Zuzana Kostecká, DVM PhD.	Clinical Biochemistry	zuzana.kostECKa@uvlf.sk	+421915984692	https://www.portalvs.sk/regzam/detail/6058
doc. MVDr. Eva Čonková PhD.	Veterinary pharmacology	eva.conkova@uvlf.sk	+421915984766	https://www.portalvs.sk/regzam/detail/6041
Assoc. Prof.	Veterinary care	nada.sasakova@uvlf.sk	+421915984677	https://www.portalvs.sk/

Nad'a Sasáková, DVM PhD.	and hygiene			regzam/detail/6090
doc. MVDr.Oskar Nagy, PhD. Dip. ECBHM	Internal diseases of livestock	oskar.nagy@uvlf.sk	+421915986695	https://www.portalvs.sk/ regzam/detail/6036
Assoc. Prof. Pavel Nad', DVM PhD.	Livestock nutrition	pavel.nad@uvlf.sk	+421907923235	https://www.portalvs.sk/ regzam/detail/6083

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

In the study programme *Veterinary Obstetrics and Gynaecology* offered in English in the full-time form of study, no topic has been announced so far.

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/6025> - Employee record on the University portal, <https://qa.uvlf.sk/vupch-viewer/?regzam=6025> - VUPCH employee on the quality portal of UVMP in Košice).

g) Student representatives who represent the interests of students in the study programme (name and contact details): 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: Mgr. Júlia Jančura, e-mail julia.jancura@uvlf.sk; career counsellor: the function 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 course matter:

Course	Characteristics of material and technical equipment	Pavilion number and room designation
Andrology and artificial insemination	Material and equipment for andrological diagnostics and performance of artificial insemination thermostats, autoclaves, refrigerators, laminar boxes BSL2, PCR box, centrifuges, fluorescence microscope, culture equipment, deep freezing boxes, Elisa line.	P-17, P-18, P-19
Clinical Biochemistry	Material and equipment for biochemical analysis of tissues and	P-35

	hormones, autoclaves, refrigerators, BSL2 laminar boxes, PCR box, centrifuges, fluorescence microscope, culture equipment, deep freezing boxes, Elisa line.	
Controlled reproduction	Material and equipment of the clinic, USG, X-ray, endoscopes,	P-17, P-18, P-19
Veterinary pharmacology	Pharmacology fully equipped laboratory	P-4
Veterinary physiology	Biochemical and haematological laboratory	P-8
Veterinary gynaecology	Material and equipment of the clinic, USG machines, X-ray, endoscopes, metabolite and hormone analyzers	P-17, P-18
Veterinary care and hygiene	Biochemical and haematological laboratory	P-3
Veterinary obstetrics	Material and equipment of the clinic, USG, X-ray, endoscopes, mobile X-ray	P-17, P-18
Internal diseases of livestock	Clinic equipment, USG, X-ray, endoscopes, Elisa line	P-17, P-19
Livestock nutrition	Laboratory, analysers for feed quality assessment	P-12

- 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:
Some activities are carried out in cooperation with the University's contractual partners, including organisations under the management of the State Veterinary and Food Administration of the Slovak Republic and private veterinarians.
- 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 skills 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):
The results of the admission procedure are published on the UVMP in Košice website. Results of the admission procedure for the last 6 years: 0 applicants applied, 0 accepted.

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

No.	Project number	From	To	Project name	Provider	Principal Investigator / Co-Principal Investigator
1	1/0613/13	2013	2015	Study on the effect of rooibos and yucca plants on ovarian function and metabolism in livestock	SGA	Assoc. Prof. Radoslava Vlčková, DVM PhD.
2	1/0600/14	2014	2017	Digestive proteinases and membrane-bound exopeptidases in larvae of house fly (<i>Musca domestica</i>) and green buzz fly (<i>Lucilia sericata</i>) used in larval therapy.	SGA	Assoc. Prof. Zuzana Kostecká, DVM PhD.
3	1/0366/15	2015	2017	Acute phase proteins as markers of pathological conditions of the reproductive apparatus, metabolic and inflammatory processes of organ systems in horses	SGA	Prof. František Novotný, DVM PhD.
4	APVV-16-0203	2017	2021	Therapeutic and preventive recolonization of the cutaneous ecosystem in equine dermatitis.	RDPA	Eva Styková, DVM PhD.
5	/0392/17	2017	2020	Effect of contaminants - products of the petroleum industry on ovarian function in different animal species. Use of medicinal plants to reduce the effect of these contaminants	SGA	Assoc. Prof. Radoslava Vlčková, DVM PhD.
6	1/0382/18	2018	2020	Study of the influence of metabolic syndrome on reproductive processes in mares	SGA	Prof. František Novotný, DVM PhD.
7	1/0204/20	2020	2023	Studying the mechanism of action of flaxseed on female gonadal and uterine functions of animals	SGA	Assoc. Prof. Radoslava Vlčková, DVM PhD.
8	1/0208/21	2021	2023	Effect of obesity and endocrine diseases of mare on the course of pregnancy and development of foals	SGA	Prof. František Novotný, DVM PhD.
9	1/0372/22	2022	2025	The use of beneficial microorganisms and their bioactive products in the elimination of skin biofilm infections	SGA	Eva Styková, 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](#)