

**General characteristics of the field of study: veterinary medicine  
effective from the academic year 2020/2021**

Field of study	Veterinary medicine
Level of studies	Long-cycle Master's degree
Profile of studies	General academic
Mode of study	Full-time (stationary)/part-time studies (non-stationary) (11 semesters)
Professional title	Veterinary surgeon
Language of instruction	Polish/English
Indication of the academic discipline to which the field of study is assigned, and in the case of assignment to more than one discipline, indication of the leading discipline in which more than half of the learning outcomes will be achieved. It is necessary to provide the percentage of learning outcomes assigned to the indicated disciplines in the total number of learning outcomes.	Leading discipline: veterinary medicine, 100%
<p><b>The concept of education, including the identification of the relationship with the University's strategy and socio-economic needs.</b></p> <p>The concept of education in the field of veterinary medicine under a general academic profile is in line with the leading discipline of the same name. Graduates obtain the title of veterinary surgeon and are prepared to practice as veterinary practitioners. They are prepared to work in the public and private sectors: in veterinary inspection, animal treatment facilities and veterinary diagnostic laboratories. The mission of the University of Life Sciences in Lublin consists in the implementation of four basic tasks. These are: 1. Ensuring the highest quality of education; 2. Strengthening the academic and research position of the University; 3. Running a university open to collaboration; 4. Running the University as an effectively managed unit of the public finance sector. In the light of these provisions, the mission of the Faculty of Veterinary Medicine of the University of Life Sciences in Lublin is to educate students in accordance with the requirements of national and European standards, carry out scientific research in accordance with the needs of the economy and conduct comprehensive activities to develop highly qualified scientific and professional staff. In view of the above, the education of students in the field of veterinary medicine is fully in line with the strategy of both the Faculty and the entire University of Life Sciences in Lublin.</p>	
<p><b>The rationale for the creation of the field of study and differences with regard to other curricula with similarly defined learning outcomes conducted at the University and assigned to the same</b></p>	

**discipline:**

The University does not offer fields of study with similarly defined learning outcomes assigned to the same discipline. Studies in the field of veterinary medicine are conducted based on the educational standard preparing students to practice the profession of a veterinary surgeon defined by the Regulation of the Minister of Science and Higher Education of 17 July 2019, taking into account the Resolution of the Senate of the University of Life Sciences in Lublin No. 13/2019-2020 on guidelines for the preparation and improvement of the curriculum of higher studies at the University of Life Sciences in Lublin.

**Description of competencies expected from an applicant for admission for studies:**

Candidates holding a certificate of secondary school leaving examination (matura exam) may apply for admission to study veterinary medicine. Qualification proceedings:

– for candidates holding the "new" matura exam, they are based on the results of the written part of the external matura exam. The competition assessment is based on multipliers that relate to the grades obtained for subjects passed in the mature exam at the basic or extended level;

– for candidates holding the "old" matura exam, they are based on a matura exam competition. If a candidate has not passed the matura exam in subjects covered by the competition, the final grades obtained for subjects listed in the secondary school diploma are taken into account;

– for laureates and finalists of contests and competitions: depending on the subject of the contest or competition, preferential rules are taken into account.

Subjects included in the matura exam taken into account in recruitment: obligatory biology; optional: chemistry or physics and astronomy or mathematics.

Multipliers used in competition assessment:

Subject	basic level	extended level
Biology	1.0	2.0
chemistry, physics and astronomy or mathematics	1.0	2.0

**Description of a graduate profile including general educational objectives, as well as opportunities for employment and continuation of studies:**

General learning outcomes are defined by the Regulation of the Minister of Science and Higher Education of 17 July 2019 on the standard of education preparing to practice veterinary medicine Article 1, Annex 1 to the Regulation.

In terms of knowledge the graduate knows and understands:

1) principles and mechanisms underlying animal health, as well as the emergence of diseases and their treatment – from the level a single cell to the whole organ, from animal to the entire animal population; 2) development, structure, functioning, behaviour and physiological mechanisms of animals in normal conditions and mechanisms of disorders in pathological conditions; 3) etiology, pathogenesis and clinical manifestations of diseases occurring in different animal species and the principles of therapeutic management; 4) diagnostic and therapeutic procedures appropriate to the states of diseases occurring in animals; 5) methods of using veterinary medicinal products for prevention and treatment of animals, as well as ensuring the safety of the food chain and protection of the environment; 6) biology of infectious agents causing animal-transmitted diseases and anthroosoosis, taking into account the mechanisms of disease transmission and the

defence mechanisms of the microorganism; 7) principles of conducting clinical examination according to the clinical examination plan, analysis of clinical symptoms and anatomopathological changes; 8) principles of animal breeding, taking into account the principles of animal nutrition, maintenance of animal welfare and production economics; 9) principles of management and utilisation of by-products and waste associated with animal production 10) principles of examination of slaughter animals, meat and other products of animal origin; 11) principles of consumer health protection; 12) principles of proper supervision over production of comestible products of animal origin; 13) standards, principles and conditions of animal production technology and maintenance of technological process hygiene; 14) legal standards related to the activity of veterinarians; 15) basic computer and biostatistical methods used in veterinary medicine.

In terms of skills the graduate is able to:

- 1) perform clinical examination of an animal in accordance with the principles of medical practise;
- 2) analyse and interpret clinical symptoms, anatomopathological changes, as well as the results of laboratory and auxiliary tests, formulate a diagnosis taking into account the differential diagnosis, and undertake therapeutic or preventive measures;
- 3) plan diagnostic procedures;
- 4) monitor the health condition of animals and undertake action in the event of the detection of a disease which is compulsory to eradicate or register;
- 5) carry out pre- and post-slaughter inspections of slaughter animals and inspections of meat and other products of animal origin;
- 6) perform activities related to veterinary supervision, including animal trade, as well as sanitary and veterinary conditions of places where animals are kept and products of animal origin are processed;
- 7) issue a veterinary opinion and certificate;
- 8) use medical binomial (Latin) nomenclature to the extent necessary for understanding and describing medical activities, animal health conditions, diseases, as well as pathological conditions and changes;
- 9) apply IT systems used to operate an animal health facility, a herd and to analyse the epizootic situation;
- 10) perform basic statistical analyses and use appropriate methods to present results;
- 11) apply the vocabulary and grammatical structures of a foreign language that constitutes the language of international communication to produce and understand written and oral statements, both general and specialist, in the field of veterinary medicine;
- 12) maintain the physical fitness required to work with certain animal species.

In terms of social competence, the graduate is prepared to:

- 1) demonstrate responsibility for decisions undertaken with regard to people, animals and the environment;
- 2) demonstrate an attitude consistent with ethical principles and undertake actions based on the code of professional conduct, as well as tolerance towards attitudes and behaviours resulting from different social and cultural circumstances;
- 3) participate in conflict resolution and demonstrate flexibility in reactions to social changes;
- 4) use objective sources of information;
- 5) formulate conclusions from own assessments or observations;
- 6) formulate opinions concerning various aspects of professional activity;
- 7) make reliable self-assessment, formulate constructive criticism in the field of veterinary practice, accept criticism of presented solutions, respond to the criticism in a clear and material manner, including using arguments referring to the available scientific achievements in the discipline;
- 8) broaden their knowledge and improve skills;
- 9) communicate with colleagues and share knowledge;
- 10) manage to operate in conditions of uncertainty and stress;
- 11) co-operate with representatives of other professions in the field of public health protection;
- 12) engage in activities of professional and self-government organisations.

The graduate obtains the title of veterinary surgeon and is prepared to practice as a veterinary practitioner. The learning outcomes achieved in the course of study prepare the graduate to:

- conduct clinical examinations of animals,
- diagnose, prevent, control and treat animal diseases,

- examine slaughter animals, meat and other products of animal origin,
- carry out sanitary and veterinary supervision of animal trade and production of comestible products of animal origin, protect public health and the environment,
- conduct examinations and veterinary evaluations of animal nutrition products and their manufacturing conditions,
- perform laboratory tests for diagnostic, preventive, therapeutic, or sanitary/veterinary purposes,
- issue veterinary opinions and certificates,
- disseminate knowledge of veterinary medicine and manage veterinary affairs.

The graduate is prepared to work in the state and private sector: in veterinary inspection, animal treatment facilities, veterinary diagnostic laboratories.

The graduate is oriented towards further development of his/her professional skills and improvement of skills by adapting them to the social and economic realities, as well as prepared to undertake doctoral studies or specialist postgraduate studies.