

I. THE MISSION OF THE STUDY PROGRAM: VETERINARY MEDICINE

The general mission of the Faculty of Veterinary Medicine is to train specialists in the fields of: veterinary care, specialized veterinary consultancy, breeding and selection of economic interest animals, specialized consultancy for pets, animal welfare and environmental protection, animal biology and biochemistry, expertise and technology of the food products as well as in their related fields, mainly for the sectors of production, services, research-development, education, consulting, agribusiness, insurance, administration and management of integrated agricultural production, etc.

The didactic mission is to train veterinarians specialized in animal health management, ensuring the traceability and safety of food of animal origin capable of integrating into the national and European veterinary health activity.

The pedagogical and methodological training activities are also in the attention of the faculty to train the future graduates so that they become teachers in the pre-university and university education.

The mission of scientific research aims to train and develop the scientific and research skills of students and graduates.

Another mission of the faculty is that of continuous training of the graduates through post-university and doctoral studies and the participation in the related Program to the National System of Continuous Education, initiated by the General Association of Veterinary Doctors of Romania, the College of Veterinary Doctors, National Sanitary Veterinary Agency and for Food Safety and the Faculties of Veterinary Medicine in the country.

II. OBJECTIVES OF THE STUDY PROGRAM: VETERINARY MEDICINE

General objectives

The program of study VETERINARY MEDICINE has as general objectives the preparation of the students for the acquisition of theoretical knowledge and practical skills in the field of veterinary medicine.

Specific objectives

The main specific objectives of the study program of VETERINARY MEDICINE are regulated by HG 469/24 June 2015, annex no. 2, which provides for the acquisition of the following knowledge and skills:

- a) adequate knowledge of the sciences on which the activities of veterinary profession are based and of the European Union law regarding the respective activities;
- b) adequate knowledge about the structure, functions, behavior and psychological needs of the animals, as well as the skills and competences necessary for their breeding, feeding, welfare, reproduction and hygiene, in general;
- c) the clinical, epidemiological and analytical skills and competencies necessary for the prevention, diagnosis and treatment of animal diseases, including anesthesia, aseptic surgery and euthanasia, considered individually or in groups, including specific knowledge about diseases transmitted to humans;
- d) knowledge, skills and competences of preventive medicine, including competences related to investigations and certification;
- e) adequate knowledge of the hygiene and technology of the production, manufacture and putting into circulation of food products intended for animals or those of animal origin intended for human consumption, including the skills and competences necessary to understand and explain good practices in this field;
- f) the knowledge, skills and competences necessary for the responsible and judicious use of veterinary medicinal products for the treatment of animals and for ensuring safety in the food chain and environmental protection;

According to the HG 469/2015 and the MECS address no. 351 / 28.07.2015 resorted to the unitary adaptation of the curricula to all the faculties of Veterinary Medicine in Romania.

III. Skills acquired by graduates at the end of their studies in accordance with European regulations

General skills:

C1. Animal health; laboratory supervision and diagnosis; diagnosis, prophylaxis and treatment of diseases / syndromes affecting animals

C2. Veterinary public health, veterinary inspection and border control; epidemiological surveillance of livestock, detection, prevention and control of diseases, including zoonoses

C3. Hygiene of animal products and of animal origin; approval of the production, marketing and consumption of animal origin food, quality control and safety of animal products, including through HACCP analysis

C4. Testing, recording and authorizing the production, conditioning and marketing of veterinary products and other materials that may affect the health of animals; retail and use of biological products, pesticides for special use and veterinary medicines

C5. Providing expertise and management in the protection, welfare, breeding, care, feeding, reproduction and production of animals, as well as in environmental protection; control of feed hygiene

C6. Conducting scientific research and training activities, continuous training, consulting and auditing in the areas of competence

Specific cognitive skills:

Understanding the ethical and legal responsibilities of the veterinarian in relation to patients (animals), owners, the environment, policies and society.

Understand the economic and emotional context in which the veterinarian operates.

To be able to critically review and evaluate literature and presentations

To understand and apply the principles of clinical approach, as well as the practice of veterinary medicine based on evidence

Demonstrate the ability to cope with work situations with incomplete information, unforeseen situations, and adapt to change

Demonstrate that he recognize his personal and professional boundaries and know how to seek professional advice, assistance and support when needed.

Demonstrate lifelong learning capacity and commitment to learning and professional development. This includes recording and analyzing professional experiences and taking measures to improve performance and skills.

Participate in self-assessment and group-level evaluation processes, in order to improve performance.

Professional skills

Accurate preparation of clinical records and case reports, in a form satisfactory to colleagues and easy to understand by the public.

Obtain a correct and relevant history of the animal or group of animals and of the environment.

Handle and contain patients safely and with respect to the animal, and train others to assist the veterinarian in performing these techniques

Performing a complete clinical examination and demonstrating the ability to make clinical decisions.

Develop appropriate treatment plans and provide treatment in the interests of patients and in accordance with available resources.

Assist all species in case of emergency and first aid.

Analyze the physical condition, well-being and nutritional status of an animal or group of animals and inform the client about the principles of breeding and feeding.

Collect, store and transport samples, choose appropriate diagnostic tests, interpret and understand the limits of test results.

Understand the contribution that imaging techniques and other diagnostic techniques can contribute to establishing the diagnosis. Use basic imaging equipment and be able to effectively and correctly examine, as appropriate, in accordance with good health and safety practices and regulations available at the moment.

To recognize the signs that lead to the suspicion of possible obligatory reportable zoonotic diseases, as well as the abuse, and to take appropriate measures, including notification of the competent authorities.

Access the appropriate data sources regarding the authorized drugs.

Be able to prescribe and deliver medicines correctly and responsibly, in accordance with the latest legislation and recommendations.

Report suspected adverse reactions by appropriate means.

To apply the principles of biosecurity correctly.

To perform aseptic procedures correctly.

To perform the sedation and general and local anesthesia safely; to implement chemical containment techniques.

Assess and manage pain.

To be able to recognize when euthanasia is appropriate and to do it without causing suffering to the animal, using an appropriate method, with sensitivity / compassion towards the owners and other persons, taking into account the safety of those present and offering advice for the removal of the corpse.

Carry out necropsies, record observations, take tissue samples, store them and transport them.

Perform ante-mortem inspection of food chain animals including paying attention to welfare issues; to identify correctly the conditions that affect the quality and safety of animal products, to exclude animals whose condition makes their products unsuitable for the food chain.

To inspect food and feed, including post mortem inspection on animals for food production and food technology inspections.

To advise and implement appropriate prevention and eradication programs for each species and in accordance with accepted standards of animal health, welfare and public health.

Transversal competences:

Demonstrate knowledge of the organization, management and legislation related to a veterinary business and the rights of employees.

To promote, monitor and maintain health and safety in the veterinary environment:
to demonstrate the knowledge of the quality assurance systems, to apply the principles of risk management in their activity.

Communicate effectively with clients, publish, make colleagues of the same profession and authorize veterinary clearance, use appropriate language for the public and fully respect privacy and private life.

To work efficiently as a member of a multidisciplinary team in providing services.

Use of professional skills to contribute to the advancement of veterinary knowledge and a concept "one medicine", for specialized health and animal welfare, quality of animal care and veterinary public health.

Communicate clearly and collaborate with the reference laboratory and diagnostic services, including health an appropriate history.

IV. **Completion of the study program**

The examination for the completion of the studies for the VETERINARY MEDICINE study program consists of two tests: The first test - Evaluation of the fundamental and specialized knowledge (1st written test - Basics of veterinary pathology and therapy and 1b. Practical test) and the second test - Support license work..

Possible occupations (ANC)

Veterinarian (225002)

Epizootologist (225001)

Researcher in veterinary medicine (225004)

Possible occupations: veterinarian

Included in COR

225004 - Researcher in veterinary medicine

225005 - Research assistant in veterinary medicine

225003 - Veterinary surgeon - comparative oncology

231001 - University assistant

231002 - Associate professor

231003 - University lector

231005 - University professor

231006 - Expert training center

132449 - Pharmacy manager

214131 - Quality Analyst

214535 - Research assistant in food quality control

214130 - Auditor in the field of quality

325714 - Auditor in the field of food safety

214533 - Researcher in food quality control

242213 - Expert accessing European structural and cohesion funds

214951 - Out-of-court technical expert

335105 - Expert / customs inspector

233002 - Teacher in secondary education

233001 - Teacher in high school, post-secondary education

Outlets on the labor market: drug sales agent, medical equipment sales agent, zootechnical unit manager, food industry unit manager, animal trainer.