

211 VETERINARY MEDICINE

Educational and professional program at the second (master's) level

"SMALL DOMESTIC ANIMALS DISEASES"



The guarantor of the program is **Dmytro Morozenko**
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Field of knowledge	Veterinary medicine
Specialty	211 Veterinary Medicine
Scope of the program	360 ECTS credits
Duration of the program	5 years 10 months
Form of training	daily

Educational and professional program "Small domestic animals diseases" provides for the training of competent veterinary specialists who have the basic knowledge and practical skills in the diagnosis, treatment and prevention of animal diseases, the organization of management and economics of veterinary affairs, veterinary pharmacy, capable of applying the knowledge gained in veterinary scientific research; preparation for implementation of management functions in the field of veterinary medicine. Special Education in the Field 21 Veterinary Medicine in the educational and professional program "Small domestic animals diseases" provides for the training of a veterinarian with a focus on small pet diseases.

Features of educational and professional program

The program is focused on providing professional competencies in the field of veterinary medicine. High level of professional training is ensured by a strong scientific and academic school and many years of experience, international cooperation in scientific and educational spheres, and the availability of a strong material and technical base. The high level of practical training is ensured by the involvement of leading specialists in the field of veterinary medicine in the educational process. Provides special practice in veterinary hospitals specializing in small pets.

Program Components:

N	Name of the course
Required components	
1	Anatomy of domestic animals
2	Entry to the profession
3	Biophysics
4	Ukrainian (professional)
5	English
6	Philosophy
7	History of world and Ukrainian culture
8	Information technology in veterinary medicine
9	Biochemistry of animals
10	Cytology, histology and embryology
11	Bioorganic chemistry
12	Organic chemistry
13	Animal physiology
14	Occupational health and safety
15	Veterinary radiobiology
16	Veterinary legislation of Ukraine
17	Animal hygiene and veterinary sanitation
18	Veterinary microbiology

19	Veterinary virology
20	Veterinary immunology
21	Pathological physiology of animals
22	Veterinary obstetrics, gynecology and andrology
23	Veterinary and sanitary examination
24	Epizootology and infectious diseases of animals
25	General and special surgery
26	Surgical surgery with topographic anatomy and anesthesiology
27	Parasitology and invasive diseases of animals
28	Pathological anatomy, dissection and forensic veterinary medicine
29	Veterinary pharmacology
30	Veterinary toxicology
31	Veterinary clinical biochemistry
32	Internal animals diseases
33	Clinical diagnosis of animal diseases
34	Organization and economics of veterinary affairs
35	Latin
36	Marketing management in veterinary medicine and pharmacy
Selective components	
37	Medicinal and poisonous plants
38	Veterinary pharmaceutical botany
39	Applied biology with the basics of animal genetics
40	Zoology
41	Animal nutrition
42	Feeding animals
43	Professional ethics of veterinary medicine doctor
44	Ethics and deontology in veterinary medicine
45	Biotechnology in veterinary medicine
46	Fundamentals of veterinary biotechnology

47	Methodology and organization of scientific research
48	Aspects of scientific professional activity
49	Ecology in veterinary medicine
50	Principles of ecology
51	Internal diseases of dogs and cats
52	Special therapy for dogs and cats
53	Dermatology of dogs and cats
54	Diseases of the skin of dogs and cats
55	Reproductology of dogs and cats
56	Obstetrics, gynecology and andrology of dogs and cats
57	Anesthesiology and intensive care of dogs and cats
58	Resuscitation of dogs and cats
59	Orthopedics, traumatology and neurology of dogs and cats
60	Orthopedic and neurological diseases of dogs and cats
61	Dentistry of dogs and cats
62	Diseases of the oral cavity of dogs and cats
63	Ophthalmology of dogs and cats
64	Eye diseases of dogs and cats
65	Surgery and oncology of dogs and cats
66	Surgical diseases of dogs and cats
67	Diseases of rodents and exotic animals
68	Veterinary exotology
69	Infectious diseases of dogs and cats
70	Epizootology of dogs and cats
Practical training	
71	Internship
72	Pre-diploma practice
Certification of higher education applicants	
73	State qualification exam

Employment and competitive advantages of graduates of the program

Graduates may apply for positions according to the Classifier of Occupations (DK 003: 2010) with the following professional job titles:

doctor of veterinary medicine (2223.2);

Junior Researcher (veterinary medicine) (2223.1);

researcher (veterinary medicine) (2223.1);

Research Associate (veterinary medicine) (2223.1);

assistant (2310.2);

teacher of higher education (2310.2)

or hold the following primary positions:

director of the department (1210.1);

director (chief, other manager) of the enterprise (1210.1).

Competitive advantages of graduates of the program consist in the fact that in addition to knowledge and skills according to the higher education standard in the specialty "Veterinary Medicine" they receive additional advanced knowledge in internal medicine, dermatology, reproductology, anesthesiology, intensive therapy, orthopedics, traumatology, neurology, ophthalmology, dentistry, infection diseases of dogs and cats, veterinary exotology, which makes graduates competitive specialists in the clinical veterinary medicine of small domestic animals.

Program learning outcomes

Know and use veterinary terminology correctly; use information from domestic and foreign sources to develop diagnostic, treatment and business strategies; determine the essence of physics-chemical and biological processes that occur in the body of animals in normal and pathological conditions; collect anamnestic data during the registration and examination of animals, decide on the choice of effective methods for the diagnosis, treatment and prevention of animal diseases; to establish a link between the clinical manifestations of the disease and the results of laboratory tests; to develop quarantine and wellness measures, methods of therapy, prevention, diagnostics and

treatment of diseases of different etiology; formulate conclusions on the effectiveness of the selected methods and means of keeping, feeding and treating animals, prevention of infectious and non-communicable diseases, as well as the production and technological processes of the animals for keeping, breeding or operating animals of different classes and species; to monitor the causes of the spread of diseases of different etiology and biological contamination of the environment with livestock wastes, as well as materials and veterinary products; to develop measures aimed at protecting the population from diseases common to animals and humans; to propose and use appropriate innovative methods and approaches for solving problematic situations of professional origin; summarize and analyze information on the effectiveness of veterinary professionals of different subordination; be aware of the rules and regulations regarding the supervision and control of the production, storage, transportation and sale of products of animal and vegetable origin; understand the logical sequence of actions and be able to draw up appropriate documentation during the forensic veterinary examination; to understand the essence of processes of production, storage and processing of biological raw materials; to know the rules of storage of various pharmaceuticals and biologicals, ways of their enteral or parenteral application, to understand the mechanism of their action, interaction and complex action on an animal body; to know the principles and methods of marketing and management of veterinary products and services in veterinary medicine; know the rules and requirements of biosafety, bioethics and animal welfare; to carry out accounting reports during professional activity; to carry out educational activity among workers of branch and the population; to have specialized software for professional tasks.