

Abstract of the optional educational component

Name of the discipline	" Prevention of animal diseases "»
Teacher	Malyna Vasyl Viktorovych, Candidate of Veterinary Sciences, Associate Professor of the Department of Animal Hygiene and Fundamentals of Sanitation
The course and semester in which the study of the discipline is planned	4nd year, 8th semester
Faculties whose students are offered to study the Faculty of	Biological and technological faculty
List of competencies and relevant learning outcomes provided by the discipline	<p>According to the requirements of the educational and professional program "Technology of production and processing of animal husbandry products", applicants must acquire the ability to acquire the following competencies:</p> <p>ZK 3. Ability to apply knowledge in practical situations.</p> <p>ZK 4. Knowledge and understanding of the subject area and understanding of professional activity.</p> <p>ZK 7. Ability to evaluate and ensure the quality of performed works.</p> <p>FC 13. The ability to use special knowledge to carry out sanitary and hygienic and preventive measures on farms and other facilities for the production and processing of livestock products. The result of studying in the discipline is the acquisition by students of the following knowledge and skills: - be able to perform functional duties in case of acute infectious diseases; - be able to apply international and national standards and practices regarding the prevention of zoonotic diseases and food poisoning in professional activities.</p>
Description of the discipline	
Prerequisites necessary for studying the discipline	The mandatory educational component "Prevention of animal diseases" is based on knowledge of such disciplines as "Chemistry", "Morphology of rural and urban areas". animals", "Physiology of rural animals", "Genetics with biometrics", "Zoology", "Feeding rural animals", "Hygiene and welfare of animals", "Technology of production of milk and beef", "Technology of production of pig products".
The maximum number of students who can study at the same time is	55 students
Topics of classroom classes	<p>Topics of lectures</p> <ol style="list-style-type: none"> 1. Introduction to the discipline. Legislation of Ukraine on veterinary medicine. Observance of academic integrity by scientific-pedagogical (pedagogical) workers and students of higher education in the BNAU. 2. Fundamentals of pathological physiology and anatomy of animals. 3. Basics of clinical diagnostics. 4. Basics of internal non-contagious diseases and their prevention. 5. Basics of surgery. Surgical diseases and their prevention. 6. Basics of pharmacology. 7. Basics of general and special epizootology.

	<p>8. The concept of unfavorable points and epizootic outbreaks. Protection of farms from the introduction of pathogens.</p> <p>9. Prevention of infectious diseases common to all or some species of animals.</p> <p>10. Basics of general parasitology.</p> <p>11. Basics of special parasitology. Animal helminthiasis, measures to combat them.</p> <p>12. Arachnosis of animals, measures to combat them.</p> <p>13. Protozoan diseases and entomoses, measures to combat them. Topics of practical classes</p> <p>1. Occupational safety of students when working with animals, especially those with infectious diseases. Methods of fixation of animals.</p> <p>2. Familiarization with the preparations of the museum of the department (thrombosis, necrosis, atrophy, hypertrophy, tumors).</p> <p>3. Plan and methodology of general and special clinical examination of a sick animal.</p> <p>4. Diseases of the organs of the cardiovascular system, respiratory organs, digestive organs and their prevention.</p> <p>5. Asepsis and antisepsis, demonstration of methods and mastering of hand disinfection techniques, sterilization of instruments, suture and dressing material, demonstration of methods of providing first aid to animals, desmurgia (demonstration of methods of applying bandages).</p> <p>6. Acquaintance with the pharmacy of veterinary medicine, the system of supply and production of medicines. Acquaintance with drugs that are most often used in animal husbandry. Demonstration of methods of administration of medicinal substances.</p> <p>7. Prevention of infectious diseases. General preventive measures. Plan of antiepidemic measures. Quarantine of animals.</p> <p>8. Immunity and its types. Vaccines, serums. Biogenic stimulants. Demonstration of drugs and tools.</p> <p>9. Specific means of diagnosis, prevention and treatment of infectious diseases. Concept of allergy. Allergic methods of diagnosis of tuberculosis, brucellosis and sputum.</p> <p>10. Morphology and systematics of helminthic diseases.</p> <p>11. Morphology and systematics of arachnoid pathogens and vectors of animal and poultry diseases.</p> <p>12. Prevention of animal diseases with scabies and control measures.</p> <p>13. Demonstration of video materials from relevant sections of the course.</p>
Language of teaching.	Ukrainian, English