Abstract of the optional educational component

Name of the discipline	**INDUSTRIAL LIVESTOCK AND ANIMALS HEALTH**
Lecturer	**Kosior Lesia Tarasivna** Candidate of agricultural sciences, Associate Professor of the Department of Milk and Meat Production Technology
Course and semester in which it is planned to study the discipline	Master's level of higher education, 2nd semester
Faculties whose students are invited to study the discipline	Biological-technological faculty
A list of competences and relevant learning results provided by the discipline	According to the requirements of the educational and professional program "Technology of production and processing of livestock products", applicants must acquire the ability to acquire the following competencies: GC 1. Ability to abstract thinking, analysis and synthesis. PC 2. The ability to develop, organize and implement measures to increase the productivity of animals, control the safety and quality of products of their processing and the efficiency of its production.. PC 4. Ability to model and design technological processes of production and processing of animal origin products; PC 8. Ability to develop and implement scientific and applied projects in the field of technologies for the production and processing of animal husbandry products and related interdisciplinary areas, taking into account technical, economic, social, legal and environmental aspects; PC 9. Ability to apply modern methods and tools for researching production and processing technologies of animal husbandry products, as well as ensuring product quality; PC 10. The ability to convey one's own knowledge, conclusions and arguments to specialists and non-specialists, clearly and unambiguously in particular to people who are studying. The result of studying the discipline is the acquisition by students of the following knowledge and skills: - to develop, implement and modernize effective technologies and processes in the field of production and processing of animal husbandry products (to develop, modernize and introduce more effective technological processes in the production of animal husbandry products on an industrial basis); - to search for necessary data in scientific literature, databases and other sources, analyze and evaluate data (to use scientific metric databases to search, evaluate and analyze literary sources; to use information from Ukrainian and foreign sources to develop innovations and business strategies.); - to communicate freely orally and in writing in Ukrainian and one of the foreign languages when discussing professional issues, research and innovations in the field of production and processing of livestock products and related problems (to use both Ukrainian and foreign languages when discussing professional issues, introducing innovations in the field of production livestock products); - to be responsible for the development of professional knowledge and practices, evaluation of the strategic development of the team, formation of an effective personnel policy (to carry out an analysis of

	the economic activity of a livestock enterprise, to keep primary records of material values, fixed assets, labor and its payment; to use communication strategies and interpersonal skills; choose communication methods and strategies to ensure effective teamwork).
Description of the discipline	
Previous conditions which are necessary for the study of the discipline	The selective educational component "Industrial animal husbandry and animals health" is based on the knowledge of such disciplines as "Feeding of agriculture animals", "Hygiene and welfare of animals", "Design and construction of enterprises for the production and processing of livestock products", "Technology of milk and beef production", "Economics and management of enterprises", "Marketing and logistics in animal husbandry" studied in previous courses.
The maximum number of students who can study at the same time	25 students
Classroom topics	**Topics of lectures** 1. Introduction. Subject, methods and tasks of the discipline "Industrial animal husbandry and animals health". Interconnection with other disciplines. 2. Welfare – technologies in modern industrial animal husbandry. 3. Principles of biosafety and bioprotection of animals in industrial animal husbandry. 4. Stress and its impact on animal health. 5. Technology of industrial dairy farming. 6. Technology of industrial pig farming. 7. Technology of industrial poultry farming. 8. Organic production of livestock products. **Topics of practical classes** 1. History and practice of welfare technology application. 2. The concept of stress in animals, its impact on the state of health and productivity of animals and poultry. 3. Diagnosis of thermal stress. 4. Modern industrial technologies of dairy farming. 5. Modern industrial technologies in pig farming. 6. Modern industrial technologies in poultry farming. 7. Monitoring the impact of the use of medical drugs and their impact on animal health.
Language of teaching	Ukrainian