

## The list of academic disciplines of the university component

**7M09 - Veterinary**

(Code and classification of the field of education)

**7M091 - Veterinary**

(Code and classification of the direction of training)

**0841**

(Code in the International Standard Classification of Education)

**M138 - Veterinary Science**

(Code and classification of the educational program group)

**7M09102 - Veterinary Sanitation**

(Code and name of the educational program)

**Master**

(Level of preparation)

**set of 2024**

**Developed**

By the Academic Committee of the EP  
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**Reviewed**

at the meeting of the Commission on Academic Quality of the Faculty of Veterinary Medicine and Agricultural Management by protocol No. 3 of January 09, 2024.

at a meeting of the Academic Quality Commission  
Research School of Veterinary Medicine and Agriculture.

Recommended for approval by the University Academic Council  
Protocol No. 6 dated June 06, 2024

**Approved**

at a meeting of the University Academic Council by protocol No. 6/1 of January 19, 2024.

at a meeting of the University Academic Council by protocol No. 11 of June 28, 2024.

## Foreign language (professional)

Discipline cycle	Basic disciplines
Course	1
Credits count	3
Knowledge control form	Examination

### Short description of discipline

*Mastery of general cultural, professional and special competencies for the implementation of professional activities, involving teaching free reading of original literature of the relevant branch of knowledge in a foreign language; development of oral communication skills in monological and dialogical form in the specialty; development of written scientific communication skills on topics related to the scientific work of a graduate student, as well as familiarization with the forms and types of international cooperation in the scientific field.*

### Purpose of studying of the discipline

*The purpose of studying the discipline "Foreign language (professional)" in the master's degree program is the systematic deepening of communicative competence within the framework of international standards of foreign language education on the basis of further development of skills and abilities of active language proficiency in the professional activity of the future master.*

### Learning Outcomes

*ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.*

### Learning outcomes by discipline

- to know the specifics of oral and written speech in the fields of professional, scientific, socio-political relations;*
  - to know the national and cultural peculiarities of the creation and organization of a text in a foreign language within the framework of professionally motivated conditions;*
  - to know the stylistic features of the vocabulary of a foreign language in the field of professional communication;*
- be able to perform:*
- implementation of professional activity in linguistic, sociolinguistic, information-analytical and communicative aspects;*
  - creating your own verbal and non-verbal order in the fields of professional and scientific socio-political relations;*
  - the use of a variety of language and speech means adequate to social factors, communication conditions, the status of the interlocutor and his communicative intentions;*
  - be able to organize speech activity as a representative of another culture and the nature of communication in accordance with the tasks of communication, the speech situation, individual characteristics;*
- the presence of skills:*
- to perceive by ear and understand the appropriate level of messages of a business, informational and vocational nature;*
  - dialogical and monological communication within the framework of professional activity;*
  - to get acquainted and study business and scientific and technical documentation, which provides for obtaining information from what has been read and using it in speech;*
  - have the skills of systematic presentation of thoughts, thinking, information when writing letters of an official, professional nature;*

### Prerequisites

*Bachelor*

### Postrequisites

*Practice pedagogical*

## History and philosophy of science

Discipline cycle	Basic disciplines
Course	1
Credits count	5
Knowledge control form	Examination

### Short description of discipline

*The discipline is aimed at studying the culture of scientific thinking, forms analytical capabilities and research skills, provides theoretical and practical knowledge necessary for a future scientist. Explores the historical evolution of the sciences and the philosophical perspectives they form. The origins of modern science, its social and institutional connections are described. General philosophical issues related to thought experiments, confirmation and refutation of theories, the origin and application of quantitative and high-quality research methods are considered.*

### Purpose of studying of the discipline

*the formation of an interdisciplinary worldview among undergraduates, based on a deep understanding of the history and philosophy (theory) of scientific thinking, as part of a universal culture.*

### Learning Outcomes

*ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.*

### Learning outcomes by discipline

*be able to apply fundamental scientific, pedagogical, managerial, and communicative knowledge and skills in professional activities*

### Prerequisites

*Bachelor*

### Postrequisites

*Practice pedagogical*

## Higher Education Pedagogy

Discipline cycle	Basic disciplines
Course	1
Credits count	3
Knowledge control form	Examination

### Short description of discipline

*The course is aimed at studying the main directions, principles and patterns of higher education. During the course of the course, the*

basic concepts of modern pedagogy, concepts and theories of teaching and upbringing, didactics of higher education will be considered. The master's student will master the skills of designing the organization of the educational process, techniques of individual and group reflection, will be able to correctly formulate pedagogical goals, apply educational technologies in the educational process. in the process, to design work programs of disciplines.

### **Purpose of studying of the discipline**

The purpose of mastering the discipline is to master the system of knowledge about higher education, its content, structure, principles of educational process management and mastering modern technologies in the field of management and organization of the educational process

### **Learning Outcomes**

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

### **Learning outcomes by discipline**

ON 3 Knows the methodology of teaching fine and decorative arts, artistic work.

ON11 Plans training sessions based on the principles of integration and continuity of learning at all levels of education

ON12 Has knowledge in the field of pedagogy as goal setting, skills and abilities in designing and implementing a holistic pedagogical process

- Be able to solve the problems of higher pedagogical education and the prospects for its further development;
- Have the skills to consider the application of effective university technologies;
- Solve topical and psychological and pedagogical problems,

### **Prerequisites**

Bachelor

### **Postrequisites**

Practice pedagogical

## **Psychology of management**

Discipline cycle	Basic disciplines
Course	1
Credits count	3
Knowledge control form	Examination

### **Short description of discipline**

The content of the course is aimed at mastering the approaches and directions of management psychology, psychological laws of management, features of planning and solving management problems. Students will get acquainted with the psychological methods of resolving conflict situations, master the ways of motivating work, the methods of using effective management styles. Skills will be formed to analyze the psychological causes underlying the decline in the effectiveness of the management process.

### **Purpose of studying of the discipline**

The purpose of the discipline "Psychology of Management" is the formation of scientifically based ideas about the system of mental phenomena, psychological variables of behavior and conscious human activity in modern conditions and allows undergraduates to form skills of applying the acquired psychological knowledge in educational activities

### **Learning Outcomes**

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

### **Learning outcomes by discipline**

- be able to determine the forms and methods of effective team management;
- develop plans for the development of organizations, provide psychological support for the activities of organizations;
- possess methods of solving managerial tasks.

### **Prerequisites**

Bachelor

### **Postrequisites**

Practice pedagogical

## **The research work of a student, including an internship and the implementation of a master s thesis**

Discipline cycle	Profiling discipline
Course	1
Credits count	11
Knowledge control form	Total mark on practice

### **Short description of discipline**

Organization and conduct of scientific research on veterinary sanitation to continue scientific work in the magistracy and teaching activities in universities. Interpretation of technical information, domestic and foreign experience on the subject under study.

### **Purpose of studying of the discipline**

The purpose of the research practice is to gain experience in the study of an actual scientific problem, to expand the professional knowledge gained by undergraduates in the learning process, and to form practical skills for conducting independent scientific work.

### **Learning Outcomes**

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

ON2 Own a methodology and algorithm for planning and organizing research and teaching activities.

### **Learning outcomes by discipline**

Organizes and conducts innovative research methods in the field of veterinary medicine

### **Prerequisites**

Basic and profile disciplines of the EP

### **Postrequisites**

The research work of a student, including an internship and the implementation of a master s thesis II

## Radiation safety of livestock products

Discipline cycle	Profiling discipline
Course	1
Credits count	5
Knowledge control form	Examination

### Short description of discipline

Know the concept of dosimetry and radiometry. Migration of radionuclides through food chains. Be able to carry out radiation monitoring of meat, dairy products and raw materials by express methods. Radiation pathology of animals. Sorting and primary processing of affected animals. Veterinary and sanitary expertise for internal and external irradiation. Considers methods of decontamination of livestock products. Examines the procedure for drawing up documentation for veterinary and radiation examination and the sale of radiation-safe products, including raw materials of animal origin and feed.

### Purpose of studying of the discipline

Studies methods of sanitary and hygienic examination of food products and technical raw materials of animal origin and determines the rules for their veterinary and sanitary assessment in field conditions or in emergency situations.

### Learning Outcomes

ON3 Conduct basic and applied scientific research in the field of veterinary sanitation, sanitary microbiology.

ON4 Analyze and solve the theoretical and applied problems of veterinary sanitation of products of animal and vegetable origin.

ON5 Use rapid methods to assess the safety of products and raw materials of animal origin.

### Learning outcomes by discipline

To carry out radiation control of meat, dairy products and raw materials of livestock products by express methods

### Prerequisites

The microbiological control of meat and poultry products

### Postrequisites

Veterinary and sanitary control in the objects of veterinary supervision

## Practice pedagogical

Discipline cycle	Basic disciplines
Course	2
Credits count	6
Knowledge control form	Total mark on practice

### Short description of discipline

Higher education pedagogy has been singled out as an independent field of scientific knowledge due to the needs of the development of modern society in improving and increasing the efficiency of training specialists for all branches of modern production. This course program is focused on preparing undergraduates for teaching in higher education. The purpose of teaching the course is to form the foundations of the professional and pedagogical culture of a teacher of higher education. The basis is the formation of pedagogical competence and familiarization

### Purpose of studying of the discipline

The purpose of pedagogical practice is to prepare masters to perform the functions of an assistant teacher during practical classes, seminars at the Faculty of Veterinary Medicine and Agromanagement; creation of conditions for achieving professional competence in accordance with the requirements of the state educational standard for the level of training of masters.

### Learning Outcomes

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

ON2 Own a methodology and algorithm for planning and organizing research and teaching activities.

### Learning outcomes by discipline

Conducting scientific research on veterinary sanitation for the continuation of scientific work in the master`s degree and pedagogical activity in universities.

### Prerequisites

The research work of a student, including an internship and the implementation of a master s thesis I

### Postrequisites

The research work of a student, including an internship and the implementation of a master s thesis III

## The research work of a student, including an internship and the implementation of a master s thesis II

Discipline cycle	Profiling discipline
Course	2
Credits count	4
Knowledge control form	Total mark on practice

### Short description of discipline

Organization and conduct of scientific research on veterinary sanitation to continue scientific work in the magistracy and teaching activities in universities. Interpretation of technical information, domestic and foreign experience on the subject under study.

### Purpose of studying of the discipline

The purpose of the research practice is to gain experience in the study of an actual scientific problem, to expand the professional knowledge gained by undergraduates in the learning process, and to form practical skills for conducting independent scientific work.

### Learning Outcomes

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

ON2 Own a methodology and algorithm for planning and organizing research and teaching activities.

### **Learning outcomes by discipline**

*Critically evaluate the results of their own scientific research and formulate the theoretical and practical significance of the results of the study.*

### **Prerequisites**

*The research work of a student, including an internship and the implementation of a master s thesis I*

### **Postrequisites**

*The research work of a student, including an internship and the implementation of a master s thesis III*

## **Research practice**

Discipline cycle	Profiling discipline
Course	2
Credits count	13
Knowledge control form	Total mark on practice

### **Short description of discipline**

*Organization and conduct of research in the field of veterinary medicine using innovative methods.*

### **Purpose of studying of the discipline**

*The research practice of the undergraduate is carried out in order to familiarize with the latest theoretical, methodological and technological achievements of domestic and foreign science, with modern methods of scientific research, processing and interpretation of experimental data.*

### **Learning Outcomes**

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

ON2 Own a methodology and algorithm for planning and organizing research and teaching activities.

### **Learning outcomes by discipline**

*Possess modern methods of scientific research, processing and interpretation of experimental data*

### **Prerequisites**

*Basic and profile disciplines of the EP Practice pedagogical*

### **Postrequisites**

*Final examination*

## **The research work of a student, including an internship and the implementation of a master s thesis III**

Discipline cycle	Profiling discipline
Course	2
Credits count	9
Knowledge control form	Total mark on practice

### **Short description of discipline**

*Organization and conduct of scientific research on veterinary sanitation to continue scientific work in the magistracy and teaching activities in universities. Interpretation of technical information, domestic and foreign experience on the subject under study.*

### **Purpose of studying of the discipline**

*The purpose of the research practice is to gain experience in the study of an actual scientific problem, to expand the professional knowledge gained by undergraduates in the learning process, and to form practical skills for conducting independent scientific work.*

### **Learning Outcomes**

ON1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

ON2 Own a methodology and algorithm for planning and organizing research and teaching activities.

### **Learning outcomes by discipline**

*The ability to substantiate the relevance, theoretical and practical significance of the chosen topic of scientific research*

### **Prerequisites**

*The research work of a student, including an internship and the implementation of a master s thesis II*

### **Postrequisites**

*Final examination*