

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)

7M09101 - Veterinary medicine

(Code and name of the educational program)

Master

(Level of preparation)

set of 2023

Developed

Academic Committee of the OP
Head of AK Esengulova N.Zh.
Manager of OP Bilyalov E. E.

Reviewed

At the meeting of the Commission on Quality Assurance of Veterinary Medicine and Agricultural Management
Recommended for approval by the Academic Council of the University
Protocol № 4.1 "06" April 2023
Chairman of the Commission G.I. Dzhamanova

Approved at the meeting of the Academic Council of the University Protocol No. 8 "25" April 2023.

Approved

at the meeting of the Academic Council of the University
Protocol № 1 "01" of September 2023
Chairman of the Academic Council of the University Orynbekov D.R.

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

ON 1 Apply fundamental scientific, pedagogical, managerial, communicative knowledge and skills in professional activities.

*- 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

Masters degree course

Postrequisites

Final examination

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

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

Prerequisites

Masters degree course

Postrequisites

Final examination

Tertiary education

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

- Solves the problems of higher pedagogical education and the prospects for its further development;
- Considers the application of effective university technologies;
- Solves topical and psychological and pedagogical problems,

Prerequisites

Masters degree course

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

- they are 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

Postrequisites

Modern problems of veterinary medicine

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

Short description of discipline

The course aims to systematize and supplement the knowledge available to undergraduates of methodology and methods of research and presentation of results in the dissertation.

Purpose of studying of the discipline

The purpose of the discipline "modern problems of veterinary medicine" is to study the achievements of many veterinary sciences, to consider various problems of veterinary science at the present time, to demonstrate ways to solve them. Mastering modern diagnostic, therapeutic and preventive measures.

Learning Outcomes

ON3 Master the methodology of using modern complex methods of diagnosing animal diseases.

ON5 Analyze and solve theoretical and applied problems of veterinary medicine, provide veterinary preventive measures to animals and birds.

ON7 To form a therapeutic system based on the etiopathogenetic process in the body, taking into account the biological characteristics of animals and birds.

Learning outcomes by discipline

As a result of studying the discipline, undergraduates should know:

- patterns of development and directions of domestic science in the conditions of modern globalization, achievements of domestic and world science in the field of science, the availability of skills;
- analysis, comparison and evaluation of various scientific concepts in the field of research,
- analysis, processing of various scientific data,
- Monitoring and solving the main problems of veterinary medicine abroad and in the Republic of Kazakhstan.

Prerequisites

Veterinary office-work

Postrequisites

Diagnosis of non-communicable diseases of young animals

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

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

Short description of discipline

The discipline covers master`s studies – reflects the main expected results from the sections of education and research and describes the degree of mastering the internship. Teaches the compilation of educational methods and argumentation of the results obtained in research work. In the general pedagogical scientific aspect, it teaches the ability to systematize and transmit cognitive data. In this regard, its own logic of organizing research work is being formed. It also forms the skills of making expeditionary, search strategic plans.

Purpose of studying of the discipline

To master the methodology of research in order to formulate a research plan based on the principles of solving professional problems suitable for the subject program of mastering. It is also possible to analyze the compatibility of positions with modern technologies with a systematic expansion of the volume of theoretical and practical knowledge acquired at this stage of education. At the same time, they learn to analyze the results of research and further realize the needs of their implementation in the field of production.

Learning Outcomes

ON2 Conduct fundamental and applied scientific research in the field of veterinary medicine.

ON5 Analyze and solve theoretical and applied problems of veterinary medicine, provide veterinary preventive measures to animals and birds.

ON9 Analyze the results of therapeutic and preventive measures of animal and bird diseases.

Learning outcomes by discipline

Mastering the ability to organize coordinated activities of veterinary specialists in relation to production needs. Be able to argue the results obtained in the course of special research and give specific recommendations for their implementation in production. Acquisition of skills in conducting seminars, meetings of veterinary workers, as well as the ability to conduct educational work with the population and citizens in the implementation of activities in the field of veterinary medicine. In addition, he will learn how to write a research paper worthy of the results of scientific research, in accordance with the requirements of a master`s thesis.

Prerequisites

Theory and methods of experiment

Postrequisites

Clinical Anatomy (Sectional Course)

Practice pedagogical

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

Short description of discipline

Pedagogical practice is significant for undergraduates in mastering and consolidating pedagogical flexibility in the conduct of the higher educational process. At the same time, the master`s student forms theoretical knowledge on the principle of a pedagogical approach in the main specialty and practical experience in the formation of pedagogical skills. As well as mastering professional and pedagogical skills to promote the manifestation of mental abilities in practical search.

Purpose of studying of the discipline

Students are preparing to develop the full content of scientific and pedagogical activity from the point of view of pedagogical and research potential. In this regard, during the pedagogical practice, he gets acquainted with the content of the educational process and the proposed ideas. At the same time, during the training process, he learns the features of the use of innovative technologies in the pedagogical activity of a teacher.

Learning Outcomes

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

ON3 Master the methodology of using modern complex methods of diagnosing animal diseases.

ON5 Analyze and solve theoretical and applied problems of veterinary medicine, provide veterinary preventive measures to animals and birds.

Learning outcomes by discipline

Preparation for the use of creative potential based on scientific and pedagogical goals and education in the field of veterinary medicine. In this regard, independent mastery of veterinary skills and their use in professional activities with the use of advanced technologies. Formation of pedagogical process management skills. Pedagogical practice forms students` skills of substantiating the forecast of expected results in the design of research work.

Prerequisites

Theory and methods of experiment

Postrequisites

Research practice

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

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

Short description of discipline

The discipline covers master's studies – reflects the main expected results from the sections of education and research and describes the degree of mastering the internship. They are trained in the compilation of educational methods and argumentation of the results obtained in research work. Students are taught the ability to systematize and convey cognitive sensations. In this regard, its own logic of organizing research work is being formed. It also forms the skills of making expeditionary, search strategic plans.

Purpose of studying of the discipline

To master the methodology of research in order to formulate a research plan based on the principles of solving professional problems suitable for the subject program of mastering. It is also possible to analyze the compatibility of positions with modern technologies with a systematic expansion of the volume of theoretical and practical knowledge acquired at the bar level of education. At the same time, they learn to analyze the results of research and further realize the needs of their implementation in the field of production.

Learning Outcomes

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

ON2 Conduct fundamental and applied scientific research in the field of veterinary medicine.

ON5 Analyze and solve theoretical and applied problems of veterinary medicine, provide veterinary preventive measures to animals and birds.

ON8 Be able to adequately understand the legal principles of protecting the population from diseases of zoonosis and conduct propaganda work on veterinary education of the population.

Learning outcomes by discipline

Mastering the ability to organize coordinated activities of veterinary specialists in relation to production needs. Be able to argue the results obtained in the course of special research and give specific recommendations for their implementation in production. Acquisition of skills in conducting seminars, meetings, meetings of veterinary workers, as well as the ability to conduct educational work with the population and citizens in the implementation of activities in the field of veterinary medicine. In addition, he will learn how to write a research paper worthy of the results of scientific research, in accordance with the requirements of a master's thesis.

Prerequisites

Theory and methods of experiment

Postrequisites

Clinical Anatomy (Sectional Course)

Forensic examination of diseases and death of animals

Discipline cycle	Profiling discipline
Course	2
Credits count	5
Knowledge control form	Examination

Short description of discipline

In cases of illness or forced slaughter and death of an animal and non-compliance with quarantine requirements related to criminal and civil proceedings in relation to veterinary objects and professional offenses, purchase and sale, as well as raw substances and products of animal origin, misuse of breeding animals, illegal hunting, animal cruelty, etc. conducts forensic veterinary medical inspection with the preparation of the methodology of veterinary collegial examination.

Purpose of studying of the discipline

The purpose of the subject is the pre-contractual directions of resolving disagreements between the parties related to the production necessity, taught on the basis of veterinary principles. In this regard, during the forensic veterinary examination, they learn to give a consistent interpretation of morphobiochemical changes, physiological, pathological processes in the body of animals. The ability to provide a theoretical concept suitable for the study of anatomical and morphological structures in animal organs is being studied. The paperwork on the case is also explained.

Learning Outcomes

ON3 Master the methodology of using modern complex methods of diagnosing animal diseases.

ON4 Possess epizootological analysis, diagnosis and treatment of non-infectious and invasive diseases. Determine the causes of death of animals.

ON6 To apply veterinary legislation in practice as a regulatory legal act, depending on the types of veterinary activities.

Learning outcomes by discipline

Owns the conduct of forensic examination for the purpose of legal substantiation of a specific situation related to production needs. In this regard, on the basis of veterinary medical science, they are trained to give a consistent characterization of pathological morphological manifestations that occur in animal organs. He will also master the plan of expert work and registration of acts in the conduct of the case.

Prerequisites

Modern problems of veterinary medicine

Postrequisites

Research practice

Research practice

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

Short description of discipline

Research practice provides for the preparation of descriptive reporting in order to formulate the main section of the study and the obtained result of the work in relation to the planned periods of the master's research practice. In addition, a master's student in the

educational process of mastering this discipline masters in-depth knowledge in the formulation of the acquired knowledge about educational technology and individual work with scientific and methodological and information and legal justifications.

Purpose of studying of the discipline

The purpose of the practice is to be able to understand the theoretical and practical provisions based on the results of research related to the field of research work, learn to master the prerequisites for its practical application. In this regard, the master's student learns to give a consistent concept to the results, providing them on the basis of the knowledge gained.

Learning Outcomes

ON2 Conduct fundamental and applied scientific research in the field of veterinary medicine.

ON3 Master the methodology of using modern complex methods of diagnosing animal diseases.

ON6 To apply veterinary legislation in practice as a regulatory legal act, depending on the types of veterinary activities.

Learning outcomes by discipline

A master's student masters research related to scientific research in veterinary medicine, according to the goals of mastering disciplines and directions of independent research work provided for by the education program. In this regard, with special research practice, he masters the combination and use of research based on veterinary sciences as necessary. Learn how to identify search positions for solving tasks, depending on the goals of the study.

Prerequisites

Theory and methods of experiment

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

The discipline covers master's studies – reflects the main expected results from the sections of education and research and describes the degree of mastering the internship. They are trained in the compilation of educational methods and argumentation of the results obtained in research work. Students are taught the ability to systematize and convey cognitive sensations. In this regard, its own logic of organizing research work is being formed. It also forms the skills of making expeditionary, search strategic plans.

Purpose of studying of the discipline

To master the methodology of research in order to formulate a research plan based on the principles of solving professional problems suitable for the subject program of mastering. It is also possible to analyze the compatibility of positions with modern technologies with a systematic expansion of the volume of theoretical and practical knowledge acquired at the bar level of education. At the same time, they learn to analyze the results of research and further realize the needs of their implementation in the field of production.

Learning Outcomes

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

ON3 Master the methodology of using modern complex methods of diagnosing animal diseases.

ON5 Analyze and solve theoretical and applied problems of veterinary medicine, provide veterinary preventive measures to animals and birds.

Learning outcomes by discipline

Mastering the ability to organize coordinated activities of veterinary specialists in relation to production needs. Be able to argue the results obtained in the course of special research and give specific recommendations for their implementation in production. Acquisition of skills in conducting seminars, meetings of veterinary workers, as well as the ability to conduct educational work with the population and citizens in the implementation of activities in the field of veterinary medicine. In addition, he will learn how to write a research paper worthy of the results of scientific research, in accordance with the requirements of a master's thesis.

Prerequisites

Theory and methods of experiment

Postrequisites

Final examination