



EDUCATIONAL PROGRAM

8D09 - Veterinary

(Code and classification of the field of education)

8D091 - Veterinary

(Code and classification of the direction of training)

0841

(Code in the International Standard Classification of Education)

D138 - Veterinary science

(Code and classification of the educational program group)

8D09102 - Veterinary sanitation

(Code and name of the educational program)

Doctor of philosophy (PhD)

(Level of preparation)

Semey

Educational program

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PREFACE

Developed

The educational program 8D09102 - Veterinary sanitation in the direction of preparation 8D091 - Veterinary on the basis of the State Compulsory Standards of Higher and Postgraduate Education approved by the Order of the Ministry of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 No 2 (as amended by the order) was developed by the Academic Committee dated 20.02.2023 No 66).

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Member of the AC		1st year doctoral student

Reviewing

Full name of the reviewer	Position, place of work
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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.

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1.Introduction

1.1.General data

The educational program has been developed taking into account the needs of the regional labor market, the requirements of the regulatory documents of the Ministry of Science and Higher Education of the Republic of Kazakhstan and is a system of documents for organizing the educational process.

The educational program 8D09102- Veterinary Sanitation is designed on the basis of a modular system for studying disciplines. It contains two modules that form general cultural and professional competencies. The EP was developed in accordance with the State Educational Standard of Software 2022.

When implementing the educational program, it is planned to use artificial intelligence tools in the educational process, thereby developing digital competencies among students in a rapidly changing technological environment.

The educational program provides for the education of a student with special educational needs in the conditions of a higher educational institution, as well as his socialization and integration into society.

1.2.Completion criteria

The main criterion for the completion of the educational process for the preparation of doctoral students is the development of students at least 45 theoretical training credits, including at least 10 teaching practice credits, 10 research practice credits, at least 123 research work credits (R&D), at least 12 credits for final certification. Only 180 credits.

1.3.Typical study duration: 3 years

2.PASSPORT OF THE EDUCATIONAL PROGRAM

2.1.EP purpose	Training of scientific and pedagogical personnel of the highest qualification capable of innovations in the field of science, education, management.
2.2.Map of the training profile within the educational program	
Code and classification of the field of education	8D09 - Veterinary
Code and classification of the direction of training	8D091 - Veterinary
Code in the International Standard Classification of Education	0841
Code and classification of the educational program group	D138 - Veterinary science
Code and name of the educational program	8D09102 - Veterinary sanitation
2.3.Distinctive features of the OP (double degree/joint, OVPO-partner, Double major, innovative)	-
2.4.Qualification characteristics of the graduate	
Degree awarded / qualification	Doctor of Philosophy PhD in the educational program
Name of professional standard	1 Raising of dairy cattle 26.10.2022 2 Professional standard: Teacher (faculty) of higher and (or) postgraduate education organizations 20.11.2023
Atlas of new professions	-
Regional standard	-
Name of the profession / list of positions of a specialist	Senior Lecturer, Associate Professor, Professor of the Department; Head of the department; Dean of the Faculty Researcher at universities and research institutes; Heads of departments in veterinary laboratories Chief veterinary and sanitary doctors in the field of production.
OQF qualification level (industry qualification framework)	8
Area of professional activity	Scientific, scientific-pedagogical, managerial activity
Object of professional activity	- Universities and colleges with EP in the direction of "Veterinary"; - research veterinary organizations; - Republican State Enterprise "Republican Veterinary Laboratory"; - State Institution "National Reference Center for Veterinary Medicine"; - enterprises for the production, processing, storage, sale of food and feed of animal and vegetable origin; - laboratories of veterinary and sanitary examination - institutions of the state customs service and checkpoints.
Types of professional activity	Expert Supervisory- -assessment of the quality and safety of products of animal and vegetable origin; - veterinary and sanitary control over the production, transportation, and sale of products and raw materials of animal origin;

	<ul style="list-style-type: none"> - prevention of diseases transmitted through products and raw materials of animal origin; - protection of the territory of the Republic of Kazakhstan from the introduction of infectious diseases through imported products and raw materials. <p>Research</p> <ul style="list-style-type: none"> - conducting scientific research and experiments in research and production institutions of the veterinary, biological, ecological and food fields. <p>Production and technological</p> <ul style="list-style-type: none"> - organization and control over compliance with the technology of production, processing, storage, transportation and sale of products of animal and vegetable origin; organization and control over the manufacture and use of medicines, biological preparations and feed additives; control over the harvesting and preparation of feed for feeding. <p>Organizational and managerial</p> <ul style="list-style-type: none"> - control over compliance with veterinary legislation on the territory of the Republic of Kazakhstan; - control of biological pollution of the environment; - training and monitoring compliance by veterinary personnel and other workers in livestock, poultry and fish farming with safety precautions when working with animals, birds and fish; - control over compliance with veterinary and sanitary rules in the production and sale of products of fish farming, poultry farming, animal and plant origin, biologically active substances and additives; - management of a professional team carrying out expert and supervisory activities, assessment of the economic efficiency of veterinary and sanitary measures. <p>Design</p> <ul style="list-style-type: none"> - participation in the preparation and examination of design estimates for the construction of food, meat and dairy facilities (meat processing plants, slaughterhouses, slaughterhouses, dairy plants, mini-factories for the production of sausages, canned food, cheese dairies, etc.) industry, trade network, laboratory and veterinary and sanitary market expertise. <p>educational(pedagogical)</p> <ul style="list-style-type: none"> - pedagogical work in secondary vocational schools in the specialty profile, - training and retraining of veterinary specialists carrying out expert and supervisory activities.
<p>2.5. Graduate Model</p>	<p>Objectives of the educational program</p> <p>The main objectives of the educational doctoral program in specialty 8D09102 - "Veterinary Sanitation" are:</p> <ul style="list-style-type: none"> -teach doctoral students modern methods of practical organization and conduct of work on veterinary and sanitary examination of food products; - mastery by doctoral students of the requirements of state veterinary and sanitary control for product safety; -to develop doctoral students' ability to self-improvement and master new knowledge;

- possess modern methods for assessing the quality and safety of food products during procurement, processing, production, transportation, storage and sales;
- monitor the veterinary and sanitary condition of enterprises processing products and raw materials of animal origin and ensure the production of high-quality products;
- critically analyze, evaluate and synthesize new and complex ideas;
- mastery of competent and developed speech, culture of thinking and skills of scientific organization of work in the structures of veterinary medicine, education and business;
- provide an individual educational trajectory in accordance with the specialization chosen by doctoral students;
- promote the acquisition of skills to participate in scientific events at various levels, and continue scientific training in postdoctoral studies.

The results of the doctoral student's training in 8D09102 - "Veterinary Sanitation" (8th qualification level of the NQF) in accordance with the Dublin descriptors of the first level assume the ability to:

- apply scientific developments of veterinary and sanitary examination at objects of veterinary and sanitary control based on the principles of HACCP;
- conduct sanitary and environmental monitoring of livestock and poultry farming facilities;
- apply methods for assessing the quality and safety of products of animal and plant origin;
- introduce innovative methods of pedagogical technologies into the educational process;
- exercise control over the safety and quality of raw materials, materials and finished products of animal and plant origin at the stages of production and storage;
- organize and conduct scientific research in veterinary medicine;
- use modern methods in scientific, pedagogical and production activities;
- apply modern methods for determining the main foreign substances, genetically modified and other contaminants contained in food products.

Professional competencies

- assessment of the quality and safety of products of animal and plant origin;
- own modern methods for assessing the quality and safety of food products during procurement, processing, production, transportation, storage and sales;
- control over compliance with veterinary and sanitary rules in the production and sale of fish, poultry, animal and plant products, biologically active substances and additives;
- management of a professional team carrying out expert supervision activities, assessing the economic efficiency of veterinary and sanitary measures;
- training and retraining of veterinary specialists carrying out expert supervision activities;

- mastering test methods that allow qualified quality examination of products, giving an objective sanitary assessment and finding ways to use them depending on the results.

Personal qualities of a doctoral student

A doctoral student in the specialty 8D09102 - "Veterinary Sanitation" conducts active research work, carries out pedagogical activities in training, education, and development of the potential of undergraduates and students, participates in the management of the department and other types of organizational activities.

The main goal allows doctoral students to develop such personal qualities as high civic responsibility, legal self-awareness, spirituality and culture, initiative, independence, tolerance, patriotism, the ability for successful socialization in society, analytical and critical thinking.

3. Modules and content of the educational program

Food safety

Brief description of the module content

Develops technical regulations in the field of safety of livestock products subject to veterinary and sanitary supervision.

Module disciplines

Academic writing

Veterinary-sanitary examination with the basics of HACCP

Research methods

Doctoral student research work, including internship and doctoral dissertation I

Food and dietary supplement safety

Veterinary and sanitary control nitrate plant products

Modern problems of food safety

Модуль 2. Safety and quality of livestock products

Brief description of the module content

Resolves issues of state veterinary control over the safety of livestock products. Exercises control over the veterinary and sanitary condition of enterprises processing products and raw materials of animal origin and ensuring the release of high-quality products. Conducts an examination of the environmental situation.

Module disciplines

Statistics and experimental design using R

Veterinary and sanitary examination and safety of feed of animal origin

Veterinary and environmental safety assessment of livestock production

Doctoral student research work, including internship and doctoral dissertation II

Veterinary and sanitary control nitrate plant products

Pedagogical practice

Doctoral student research work, including internship and doctoral dissertation III

Doctoral student research work, including internship and doctoral dissertation IV

Research practice

Doctoral student research work, including internship and doctoral dissertation V

Doctoral student research work, including internship and doctoral dissertation VI

Final examination

Brief description of the module content

Writing and defending a doctoral dissertation.

Module disciplines

Doctoral dissertation

4. Summary table on the scope of the educational program

«8D09102 - Veterinary sanitation»

Name of discipline	Cycle/ Component	Term	Number of credits	Total hours	Lec	SPL	LC	IWST	IWS	Knowledge control form
Food safety										
Academic writing	BS/US	1	5	150	15	30		35	70	Examination
Veterinary-sanitary examination with the basics of HACCP	BS/US	1	5	150	15	30		35	70	Examination
Research methods	BS/US	1	5	150	15	30		35	70	Examination
Doctoral student research work, including internship and doctoral dissertation I	AS/US	1	15	450						Total mark on practice
Food and dietary supplement safety	AS/CCh	2	5	150	15	30		35	70	Examination
Veterinary and sanitary control nitrate plant products	AS/CCh	2	5	150	15	30		35	70	Examination
Modern problems of food safety	AS/CCh	2	5	150	15	30		35	70	Examination
Модуль 2. Safety and quality of livestock products										
Statistics and experimental design using R	BS/US	1	3	90	15	15		20	40	Examination
Veterinary and sanitary examination and safety of feed of animal origin	AS/CCh	2	5	150	15	30		35	70	Examination
Veterinary and environmental safety assessment of livestock production	AS/CCh	2	5	150	15	30		35	70	Examination
Doctoral student research work, including internship and doctoral dissertation II	AS/US	2	20	600						Total mark on practice
Veterinary and sanitary control nitrate plant products	AS/CCh	2	5	150	15	30		35	70	Examination
Pedagogical practice	BS/US	3	10	300						Total mark on practice
Doctoral student research work, including internship and doctoral dissertation III	AS/US	3	20	600						Total mark on practice
Doctoral student research work, including internship and doctoral dissertation IV	AS/US	4	30	900						Total mark on practice
Research practice	AS/US	5	10	300						Total mark on practice
Doctoral student research work, including internship and doctoral dissertation V	AS/US	5	20	600						Total mark on practice
Doctoral student research work, including internship and doctoral dissertation VI	AS/US	6	18	540						Total mark on practice
Final examination										
Doctoral dissertation		10	12	360						

NON -PROFIT LIMITED COMPANY «SHAKARIM UNIVERSITY OF SEMEY»

PLAN DEVELOPMENT EDUCATIONAL PROGRAMS

8D09102 - "Veterinary sanitation"

for 2024-2027 years

Semey 2024

Content

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1. Passport of the Development plan of the OP doctoral program 8D09102 - "Veterinary sanitation"

1	Basis for developing	Development program of the Non -Profit Limited Company «Shakarim University of Semey» for 2023-2029. Plan work faculty
2	Implementation dates	2024-2027 years
3	Expected results of implementation	<p>: - provision of educational services at the level of world educational standards that ensure the competitiveness of graduates in the labor market;</p> <p>- training of intellectually developed, creative specialists through the integration of the educational process, research and innovation;</p> <p>- training of qualified and competitive personnel for agriculture in accordance with national and international requirements</p>

2. АналитическоеAnalytical justification of the OP

2.1 Information about the educational program

The educational program is developed in accordance with the National Qualifications Framework and Professional standards, according to the Dublin Descriptors and the European Qualifications Framework. The typical duration of a doctoral program is 3 years.

8D09102 - "Veterinary sanitation" - developed by the Academic Committee and reviewed at the C-ovet of the Research School of Veterinary Medicine and Agriculture (Protocol No. 3 of January 94, 2014)

Approved at the meeting of the Academic Council of the University (Protocol No. 6/1 of January 19, 2024).

The main criterion for completing the educational process is the completion of at least 180 credits, with the award of the degree of Doctor of Philosophy (PhD) in the educational program 8D09102 - "Veterinary Sanitation". The purpose of the educational program is to develop doctoral students' general professional and professional competencies in accordance with the requirements of the labor market and employers, standards in this area of doctoral training.

The educational program 8D09102 - "Veterinary sanitation", implemented by the Department of Veterinary Medicine, was developed taking into account the needs of the regional labor market, the requirements of regulatory documents of the Ministry of Education and Science of the Republic of Kazakhstan and is a system of documents for organizing the educational process.

The educational program regulates the goals, expected results, content, conditions and technologies for implementing the educational process, assessing the quality of graduate training in this area of training and contains a description of the program and areas of professional activity of the graduate, learning outcomes and acquired competencies, a policy for evaluating learning outcomes, the organization of the educational process that ensures the quality of training of students, a description of the program.

The content of the educational program is implemented through a curriculum developed in a modular format, in which two cycles of disciplines are provided for the first level of education: basic and profile disciplines, final certification.

Graduates can hold the following positions: - scientific and research veterinary organizations; - RSE "Republican Veterinary Laboratory"; -State Institution "National Reference Center for Veterinary Medicine"; - enterprises for the production, processing, storage, sale of food products and feed of animal and plant origin; - laboratories of veterinary and sanitary expertise - institutions of the state Customs Service and checkpoints; - teaching activities in higher educational institutions and colleges. Universities and colleges that have an OP in the field of Veterinarymedicine.

2.2 Information about students

Academic year	2023-2024 academic year	2024-2025 academic year
Basis of study		
Grant	1	1
Contract		
Total	1	1

2.3 Internal and external conditions for OP development

Doctoral students and teaching staff of the Veterinary Medicine Department have unlimited access to information and educational resources and electronic library systems necessary for independent educational and research work. Electronic information resources: full access to databases-Scopus, Science Direct. The Portal of educational resources of the Shakarim Semey University is functioning (<http://ais.semgu.kz/>) on which educational materials of disciplines are presented in electronic format in the Kazakh language. Classrooms of the Department of Veterinary Medicine are connected to the WI-FI network for conducting online conferences, lectures, seminars with the participation of leading scientists from Kazakhstan, near and far abroad.

Issues of professional training, professional practice and employment of graduates are resolved at the department with the mandatory participation of employers. Every year, the department hosts round tables, which are attended by heads and representatives of city and district akimats, agricultural enterprises. The department organizes meetings with graduates-employers, seminars with practical workers.

Research projects are conducted in accordance with the approved end-to-end internship program and generally meet the qualification requirements for training specialists in this field.

Research projects implemented within the framework of the OP are held on the basis of the RSE "Republican Veterinary Laboratory", the Laboratory of Veterinary and Sanitary Expertise, NAO "Kazakh Agrarian Technical University named after A. A. Abramovich". From Seifullin.

Educational Department "Veterinary Medicine "cooperates with: Scientific Research Institute of Veterinary Medicine under the Ministry of Agriculture of Azerbaijan, "NAO" Kazakh National Agrarian Research University", NAO "Kazakh Agrarian and Technical University named after A. A. Abramov". S. Seifullin", "St. Petersburg State University of Veterinary Medicine", " Omsk State University named after P. A. Stolypin".

In 2022, a memorandum of cooperation was signed with the Kavkaz University in Turkey.

In the 2024-2025 academic year of the OP, the Department of Veterinary Medicine plans to introduce elements of dual education. The contract budget is concluded with Kommunalnyim stateym enterprisem on the right of economic management "SCemey-Vet" of the veterinary department of the Aba region.

Contracts were signed with the Scientific Agricultural Center and the Kalikhanuly farm of Kalikhanuly» the Abay region.

One of the tasks of the department is to develop a joint educational program with leading universities, the implementation of which is aimed at integration into the international scientific space through academic exchange of teachers and students, as well as obtaining two diplomas.

Every year, sociological surveys are conducted, for example, by University graduates, "On the working conditions and quality of educational process management at the University named after V. I. Abramovich. Shakarim University", "Population, employers of Semey on the quality of education and the demand for specialists, including university of M. Shakarim University", "Teaching staff on readiness and problems in updating the OP". During the monitoring, the results were obtained in the form of opinions of residents of the region about the competencies of graduates of the NAO " имени Shakarim University of Emei", including educational programs of the Department of Veterinary Medicine. The results of the study will be aimed at further improving the competence system of the above - mentioned educational programs.

2.4 Information about teaching staff implementing the educational program

#	Indicators	of Units and units.	2024-2025 academic year	2025-2026 academic year	2026-2027 academic year
1	Share of teaching staff with an academic degree in OP	%	100	100	100
2	Including the share of teaching staff with an academic degree in the DB/VC cycle	%	90	90	90

The Department of Veterinary Medicine carries out the educational process in three levels of study: bachelor's, master's and PhD doctoral studies. The formation of scientific and pedagogical personnel at the department is carried out by training through master's degree, PhD doctoral studies, advanced training профессорско of the teaching staff. OP teachers undergo advanced training in leading universities of Kazakhstan (according to the FPC plan) and training seminars held by the Ministry of Education and Science of the Republic of Kazakhstan, universities and other organizations. The results of scientific activity of teachers are reflected in scientific publications with an impact factor. Scientists of the Department of Veterinary Medicine have Хириша (an h-index in the Web of Science and Scopus databases).

2.5 Characteristics of the OP achievement

The educational program regulates the goals, expected results, content, conditions and technologies for the implementation of the educational process, assessment of the quality of training graduate in this area of study and contains a description of the program and areas of professional activity of the graduate, learning outcomes and acquired competencies, policy evaluating learning outcomes, organization of the educational process, ensuring the quality of training of students, a description of the modules that make up educational program, methodological materials that ensure the implementation appropriate educational technologies.

In 2024, the educational program "8D09102-Veterinary Sanitation" was accredited for a period of 5 years by the international accreditation agency ARQA.

3. Main objectives of the OP development Plan

For the effective implementation of the OP, the following tasks are defined:

#	Name of the task	Terms of development	Stages of development
1	Improving and improving the conditions for obtaining a full-fledged, high-quality professional education.	The entire training period.	Development of measures to improve educational services for the development of professional skills.
2	Updating the content of educational programs that form the main professional competencies of future specialists in the field of veterinary sanitation.	The entire training period.	When updating the content of educational programs, include disciplines recommended by employers
3	Creating prerequisites for independent search and research activities of the student within the framework of conducting an experiment at all its stages of training.	The entire training period.	Inclusion of research and experimental work in the study of educational programs
4	Development of measures for mastering the work with scientific and technical information while using domestic and foreign experience in professional activities.	The entire training period.	Conducting activities to analyze and process the results obtained
5	Advising employers and research institute scientists on the selection of relevant and practically significant topics for master's and doctoral works.	Completion of doctoral studies.	Suggestions from employers, stakeholders, and management consultations

4. Risk analysis of the OP

#	Name of risks	Measures to eliminate
1	Reduction in the number of students enrolled in the OP	Regular high-quality career guidance
2	Insufficient level of language skills for the introduction of multilingualism.	Increased participation of doctoral students and teachers in language courses
3	Reduced in Rowan's employment opportunities	Communication with institutions and organizations that have a high opportunity to pass industrial practice and further employment
4	Insufficient development of external and internal academic mobility of doctoral of doctoral students and teaching staff	Increased involvement of teaching staff and doctoral students in external and internal academic mobility
5	Risk of reducing the degree of retirement of PPP in the OP	Increasing the number of teaching the Teaching staff studying for the target doctoral program, increased activity of teachers who do not have a scientific title
6	Low number of publications in cited journals	Increase in the number of articles in scientific journals
7	Lack of funded research topics.	Increasing the number of projects on research topics

5. Action plan for the development of the OP

№	Criteria	Expected results	Units. Units.	2024- 2025	2025- 2026	2026- 2027
Direction 1. Educational and methodological support						
1.1	Updating the educational program based on professional standards, taking into account the recommendations of employers	Conducting an expert examination of the Educational Program "8D09102 - "Veterinary sanitation in order to increase практикоориентированthepractice orientation and develop professional competencies of graduates.	fact.	-	-	-

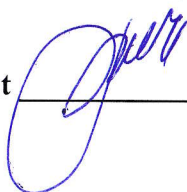
1.22	Monitoring and updating catalogs of elective subjects in accordance with the development of key and professional competencies, labor market requirements	Improving the quality of educational programs content by including elective courses aimed at developing key and professional competencies of graduates in accordance with labor market requirements.	fact.	+	+	+
1.3	introduction in the educational process of modern educational technologies, contributing to the development of cognitive activity, communicative abilities of students	improving the quality of teaching disciplines, given the novelty and variety of forms of work, contributing to the development of cognitive activity.	fact.	+	+	+
1.4	involvement of the social partners and employers to the design, examination and implementation of educational programs	improve the quality of educational programs tailored to the needs of the market and recommendations from employers.	ed.	2	3	3
1.5	Development and implementation of elective courses in English	introduction in the educational process subjects in English.	ed.	-	-	-
1.6	seminars and round tables on the application of innovative technologies in the educational process	, the Introduction of innovative technologies in the educational process.	ed.	3	3	3
1.7	a Publication of educational, educational-methodical and scientific literature in the ongoing OP	Improvement of educational and methodological provision in the disciplines of educational programs.	ed.	1	2	2
1.8	Conclusion of contracts with foreign and domestic universities - partners with the aim of developing academic exchange of students of all levels and teachers	to create a database of domestic and foreign partner Universities for the development of academic exchange of students of all levels and faculty.	ed.	1	1	1

1.9	Invitation to students from partner Universities to study at term, short term training, practice etc.	Development of international recognition of educational programs, implementation of academic mobility programs for students.	pers.	2	1	1
1.10	Participation of teaching staff and students in international academic exchange programs	Development of international cooperation with foreign universities implementing educational programs in the field of Veterinary sanitation.	pers.	1	1	1
1.11	Development of outgoing academic mobility of teaching staff and students in the direction of Veterinary sanitation	Improvement of the educational program based on the use of experience in implementing similar programs in leading universities of the Republic of Kazakhstan.	people	1	1	1
Direction 2. Teaching staff						
2.1	Professional development and training of scientific-and pedagogical personnel for the implementation of educational programs once every 5 years	The share of teaching staff who have completed advanced training at the national level at least 20%	of people.	1	2	2
2.2	Completion of advanced training, retraining, internships of teaching staff at the international level	Completion of less than 2 teachers of the program of advanced training, retraining, internships of teaching staff at the international level.	pers.	-1	1	1
2.3	Promotion of publications of teaching staff's works in international publications indexed Web of Science by the Web of Science and Scopus databases Scopus	Increase in the share of teaching staff who published the results of scientific research in indexed by the Web of Science and Scopus databases – at least 30% of the total number of teaching staff.	%	1	2	2
2.4	Involvement of practical specialists in teaching and research activities	Participation of practical specialists in the implementation of educational programs (at least 20% of specialists).	%	2	3	3
Direction 3. Internationalization of educational programs						

3.1	Conclusion of contracts for international cooperation with foreign universities	Implementation of joint projects, preparation of scientific publications with foreign partners, creation of bases for scientific internships of students	units.	1	1	1
3.2	Attracting foreign students to study under the educational program 8D09102 - "Veterinary sanitation".	Increase in the number of foreign students.	pers.	1	1	1
3.3	Organization of joint scientific and practical events with international partners	Increase in the effectiveness of scientific and methodological activities of teaching staff, exchange of experience with foreign partners.	units.	1	1	1
3.4	Invitation of foreign specialists to give lectures and consultations on doctoral projects and dissertations	Improvement of the content component of educational programs based on the introduction of the experience of foreign specialists in the implementation of educational programs.	Units.	1	2	2
3.5	Expansion of cooperation with Leading foreign scientific and educational organizations in order to attract the most qualified foreign specialists to the implementation of educational programs	Formation of key and professional competencies in accordance with the practice of leading universities.	people	1	1	1
Direction 4. Material and technical support and digitalization						
4.1	Step-by-step equipping of classrooms with technical training tools (projectors, panels, interactive and multimedia whiteboards, multifunction devices, web camera, projector screen, etc.)	Equipping classrooms assigned to the department with technical training facilities (projectors, panels, interactive and multimedia whiteboards, multifunctional devices, a webcam, a projector screen	units.	2	3	3

4.2	Automation of the educational process (testing, session management, movement of the contingent of doctoral students, dean's office, department, teaching staff load, schedule, library, syllabus)	Information management based on automation of the educational process (testing, session management, movement of the contingent of doctoral students, dean's office, department, teaching staff load, schedule, library, syllabus)	fact.	100 %	100 %	100 %
4.3	Updating the full-text database of research results of teaching staff and students, teaching staff (articles, monographs, etc.)	Increasing the number of results of scientific works of scientists, research of teaching staff and students, teaching staff (articles, monographs, etc.)	units.	2	3	3
4.4	Expanding the fund of scientific and educational literature, including on electronic media for educational programs implemented	Ensuring the implementation of educational programs based on modern educational and information resources, including on electronic media	%	100	100	100
4.5	Monitoring the content and improvement of the faculty website	Formation of the faculty website on various aspects of the implementation of educational programs.	%	100	100	100

Head of the Department



A. Akhmetzhanova

COORDINATED

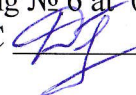
Dean of the RSchVMA
06.06.2024 r



N. Yesengulova

CONSIDERED

at a meeting of the Faculty Quality Assurance Commission
veterinary medicine and agromanagement
Minutes of the meeting № 6 at 06.06.2024 r.
Chairman of the QAC



G.I. Dzhamanova