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Аграрно-технологический институт

(наименование основного учебного подразделения (ОУП) – разработчика ОП ВО)

Утверждена на заседании Ученого совета РУДН протокол № 1 от «24» января 2011 г.

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ОСНОВНАЯ ПРОФЕССИОНАЛЬНАЯ ОБРАЗОВАТЕЛЬНАЯ ПРОГРАММА ВЫСШЕГО ОБРАЗОВАНИЯ (ОП ВО)

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Направление подготовки/специ	иальность: 36.05.01 Veterinary	
(код и наименог	вание направления подготовки/с	пециальности)
Направленность (профиль/спец	иализация):	
	(наименование ОП ВО)	
Образовательная программа раз ОС ВО РУДН, утвержденного	вработана в соответствии с требо приказом ректора №371 от «21»	ваниями: мая 2021 г.
Уровень образования:		
	специалитет	
	алитет/магистратура/ординатура	– вписать нужное)
Квалификация выпускника:		
	Ветеринарный врач	
(квалификация выпускника в соо	тветствии с приказом Минобрнауки	России от 12.09.2013 г. №1061)
Срок получения образования по	о ОП ВО:	
(очная форма обучения)	(очно-заочная форма обучения)	(заочная форма обучения)
Сведения об особенностях реа	лизации программы: <u>программ</u>	а реализуется на английском
	СОГЛАСОВАНО:	
Руководитель ОП ВО Ватников Ю.А.	Председатель МССН Ватников Ю.А.	Руководитель ОУП Довлетярова Э.А.
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(подпись)	(подпись)	(подпись)
«»20 г.	«»20_ г.	«»20_г.
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1. AIM (MISSION) OF THE HIGHER EDUCATION PROGRAM

The aim of the program: training of highly qualified, competitive, innovation-oriented specialists in the field of veterinary medicine.

The program is aimed at the formation of a modern veterinarian capable of implementing professional tasks to ensure the veterinary welfare of animals and humans in various conditions for the application of professional competencies: in the conditions of industrial or farm production of livestock products, in veterinary clinics, veterinary laboratories, scientific and research and production institutions.

A graduate of the program has such personal qualities as responsibility for the result, motivation in obtaining and mastering professional knowledge, striving for personal and professional growth and development. In the process of learning in a multinational environment, the student develops social and communication skills, receives a moral and ethical basis for future professional activities, learns to use general and professional knowledge for socially significant, safe and successful activities, taking into account the legal provisions of his state and the world community as a whole.

The development of general professional competencies in accordance with the requirements of the ES HE RUDN/FSES HE allows the graduate of the program to flexibly shape his professional career, taking into account the demands of the labor market, both within the main specialty and at the junctions of various areas of human activity.

The formation and development of professional competencies, taking into account the interests of the student and his future career development trajectory, allows students to become a specialist in demand in their field even at the stage of education.

2. RELEVANCE, SPECIFICITY, UNIQUENESS OF THE EDUCATIONAL PROGRAM

The program trains veterinarians capable of treating small and large, productive and non-productive animals (companion, zoo and wild animals). The basic knowledge acquired by students in the first three years of the program allows them to choose any direction of their professional development in the future. In the course of studying the program, thanks to the disciplines of specializations, the foundations for further postgraduate specialized development of graduates are laid.

The term of study under the program is 5 years for full-time education and 5 years 6 months for part-time (evening) education.

The volume of the specialist's program is 300 credit units (hereinafter referred to as credits), regardless of the form of education, educational technologies used, implementation of the specialist's program according to an individual curriculum.

The volume of the specialist's program implemented in one academic year is no more than 70 credits. regardless of the form of study, the educational technologies used, the implementation of the specialist's program according to an individual curriculum (with the exception of accelerated learning), and with accelerated learning - no more than 80 credits

A specific difference between the educational program 36.05.01 "Veterinary Medicine" of ATI RUDN University can be called a unique combination of deep basic knowledge that students receive on the basis of RUDN University and modern approaches to practical activities for the treatment of animals acquired by students on the basis of partner enterprises during field studies, practices and internships.

Students have the opportunity already in their first years to choose the direction of their scientific and / or professional development and already in the learning process to pay more attention to those scientific and practical areas that will later become the main ones in their profession. Much attention is paid to the participation of students in the development and testing of innovative methods of veterinary practice on the basis of clinical departments and partner enterprises.

3. THE NEED OF THE LABOR MARKET FOR THE HIGHER EDUCATION PROGRAM

The field of professional activity of graduates of the specialist's programs in the specialty 36.05.01 Veterinary includes:

- 01 **Education and science** (in the field of vocational training, vocational education and additional professional education, in the field of scientific research),
- 13 **Agriculture** (in the areas of: preservation and provision of animal health; prevention and treatment of all types of animals, including birds, bees, fish and hydrobionts; improvement of the productive qualities of animals; veterinary control; forensic veterinary and veterinary sanitary examination).

The list of organizations in which a graduate can carry out professional activities:

- state administrative structures
- Animal disease control stations
- public and private veterinary clinics
- agro-industrial holdings
- customs structures
- higher education institutions
- research and production associations and research institutes
- foreign and domestic food industry enterprises
- enterprises for the production of animal feed
- trading structures
- accredited and production laboratories
- enterprises for the production of biological products
- veterinary pharmacies
- veterinary laboratories
- pet stores
- stud farms and equestrian clubs
- zoos
- markets, etc.

A graduate can hold the following wide range of positions: veterinarian; veterinary consultant; veterinary laboratory assistant; chief veterinarian of a veterinary clinic or veterinary enterprise; head of a veterinary pharmacy or laboratory; quality control specialist for veterinary goods; sales representative for the sale of drugs and veterinary products; sanitation specialist; specialist in registration of veterinary drugs; manager of the department of scientific communications for work with specialists in the zoo business (trainer, lecturer); cynologist; researcher, etc.

4. SPECIAL REQUIREMENTS FOR POTENTIAL APPLICANTS

A potential applicant of the educational program must have an education not lower than

secondary general.

Characteristics of entrance examinations: written exam in the form of the Unified State Examination in the disciplines: biology, Russian language, mathematics / physics / chemistry / foreign language; Olympiad results and other individual achievements are taken into account.

Admission to the university for training under the specialist's program based on the results of entrance examinations formed by the university is carried out for the following categories of citizens:

- having secondary vocational education;
- having a secondary general or vocational education obtained in educational institutions of foreign countries.

5. FEATURES OF THE IMPLEMENTATION OF THE HIGHER EDUCATION PROGRAM

The higher education program is implemented with elements of e-learning / distance learning technologies. E-learning, distance learning technologies used in the training of disabled people and persons with disabilities (hereinafter referred to as the disabled and persons with disabilities) should provide for the possibility of receiving and transmitting information in forms accessible to them.

- 5.1. The language of implementation of the higher education program is Russian/English
 - 5.2. The program is adapted for teaching the disabled and people with disabilities.
 - 5.3. The higher education program is implemented by RUDN University.

Information about partner organizations involved in the implementation of the higher education program:

Name of partner organization	Interaction functionality
State budgetary institution of the city of Moscow "Moscow Association of Veterinary Medicine"	Scientific work, practices, internships, organization of joint career guidance events and professional skill competitions
Federal State Budgetary Institution "All-Russian State Center for Quality and Standardization of Medicines for Animals and Feed"	Scientific work
Federal State Budgetary Scientific Institution "Federal Scientific Center for Food Systems named after V.I. V.M. Gorbatov" RAS	Scientific work, internships and practice of students
Federal State Budgetary Institution "Central Scientific and Methodological Veterinary Laboratory"	Scientific work, joint educational activities, educational practices
Federal State Budgetary Educational Institution of Higher Education "Moscow State Academy of Veterinary Medicine and Biotechnology - MVA named after K.I. Scriabin"	Scientific work, joint educational activities, educational practices
Federal State Budgetary Scientific Institution "All-Russian Research Veterinary Institute of Pathology, Pharmacology and Therapy"	Scientific work, joint educational activities, educational practices
Federal State Budgetary Institution "National Medical Research Center for Radiology" of the Ministry of Health of the Russian Federation	Scientific work, joint educational activities, educational practices

Federal State Budgetary Institution "Federal Center for Animal Health"	Scientific work, joint educational events,
VETZdorovye LLC / MEDVET	Scientific work, practice and internships for students, joint educational events
LLC "Veterinary Clinic of KSK Novy Vek"	Scientific work, practice and internships for students, joint educational events
LLC IVTS MVA veterinary reference center	Scientific work, practice and internships for students, joint educational events
and many others	

5.1. Information about the planned bases for conducting educational / production practices

Practice*	Practice base
	(name of organization, location)
Educational practice (introductory, field	State Autonomous Institution of Culture "Moscow
trip)	State Zoological Park"
	VETZdorovye LLC / MedVet LLC, Moscow and
	Moscow Region
	LLC "Veterinary Clinic of KSK Novy Vek", MO
	LLC IVTS MVA veterinary reference center, Moscow
	RADENIS LLC, MO
	LLC "AMVET", Moscow
	Federal State Budgetary Institution "Federal Center for
	Animal Health", Vladimir
Industrial practice (medical,	VETZdorovye LLC / MedVet LLC
technological, undergraduate, field)	LLC VK ZooAkademiya
	LLC Belyi Klyk-M
	LLC "Biocontrol"
	LLC Veterinary Center "Otrada"
	LLC Veterinary clinic "Odinvet" IP Bokarev A.N.
	and many others

^{* -} the type of internship is indicated (educational/industrial), the type of internship - its name (introductory, technological, research, undergraduate, etc.), method of conducting (stationary / visiting).

6. CHARACTERISTICS OF THE PROFESSIONAL ACTIVITY OF THE HIGHER EDUCATION PROGRAM GRADUATE

- 6.1. The area (s) and / or area (s) of professional activity of a graduate who has mastered the higher education program, in which (s) he can carry out his professional activity:
- 01 **Education and science** (in the field of vocational training, vocational education and additional professional education, in the field of scientific research),
- 13 **Agriculture** (in the areas of: maintaining and ensuring the health of animals; prevention and treatment of all types of animals, including birds, bees, fish and hydrobionts; improving the productive qualities of animals; veterinary control; forensic veterinary and veterinary sanitary examination).

Graduates can carry out professional activities in other areas of professional activity and (or) areas of professional activity, provided that their level of education and acquired competencies meet the requirements for the qualification of an employee.

- 6.2. Type (s) of tasks of professional activity, for the solution of which a graduate is preparing as part of the development of the higher education program :
 - medical;
 - expert control;
 - scientific and educational.
- 6.3. The list of generalized labor functions and labor functions related to the professional activity of a graduate of the higher education program, in accordance with which the program was developed*

Code and name	and name Generalized labor functions Labor functions					
of prof. standard	Code	Name	level of qualificati on	Name	Code	level (sublevel) of qualificatio n
141 Veterinary worker (type of				Conducting a clinical examination of animals in order to establish a diagnosis	G/01.7	7
professional activity - Ensuring the veterinary		Оказание ветеринарной помощи		Carrying out measures for the treatment of sick animals	G/02.7	7
and humans code 13.012 ARCO code - 2250 Veterinarians RNCE code - Veterinary activity)		животным всех видов		Management of the system of measures to prevent the occurrence of noncontagious, infectious and parasitic animal diseases	G/03.7	7

^{* -} the wording of labor functions is adopted from the relevant Professional Standards (if any).

7. REQUIREMENTS FOR THE LEARNING OUTCOMES OF THE HIGHER EDUCATION PROGRAM

7.1 At the end of the development of the higher education program the graduate must have the following universal competencies (UC):

Code and name of the UC	Code and name of the indicator of achievement of competence
UC-1 The ability to search,	UC-1.1. Analyzes the task, highlighting its basic components;
critical analysis and synthesis	UC-1.2. Determines and ranks the information required to solve the
of information, apply a	problem;
systematic approach to solve	UC-1.3. Searches for information to solve the task for various types
the tasks.	of requests;
	UC-1.4. Offers options for solving the problem, analyzes the
	possible consequences of their use;
	UC-1.5. Analyzes the ways of solving problems of a worldview,
	moral and personal nature based on the use of basic philosophical
	ideas and categories in their historical development and socio-
	cultural context.
LIC 2 The ability to determine	UC-2.1. Formulates a problem, the solution of which is directly
	related to the achievement of the project goal;
the range of tasks within the	
set goal and choose the best	UC-2.2. Determines the links between the tasks set and the expected
1 2	results of their solution;
the current legal norms,	UC-2.3. Within the framework of the tasks set, determines the
available resources and	available resources and restrictions, the current legal norms;
restrictions.	UC-2.4. Analyzes the schedule for the implementation of the project
	as a whole and chooses the best way to solve the tasks, based on the
	current legal norms and available resources and restrictions;
	UC-2.5 Controls the progress of the project, adjusts the schedule in
	accordance with the results of control.
UC-3 The ability to carry out	UC-3.1. Determines his role in the team, based on the strategy of
social interaction and realize	cooperation to achieve the goal;
their role in the team	UC-3.2. Formulates and takes into account in its activities the
	behavioral characteristics of groups of people identified depending
	on the goal;
	UC-3.3. Analyzes the possible consequences of personal actions and
	plans their actions to achieve a given result;
	UC-3.4. Carries out the exchange of information, knowledge and
	experience with team members;
	UC-3.5. Argues his point of view regarding the use of the ideas of
	other team members to achieve the goal;
	UC-3.6. Participates in team work to complete assignments.
UC-4 The ability to	UC-4.1. Chooses the style of business communication, depending on
_ I	the language of communication, the purpose and conditions of the
and intercultural interaction in	
Russian as a foreign and	UC-4.2. Adapts speech, communication style and body language to
	interaction situations;
the possession of interrelated	UC-4.3. Searches for the necessary information to solve standard
and interdependent types of	communicative tasks in Russian and foreign languages;
reproductive and productive	UC-4.4. Performs translation of professional texts from a foreign
foreign language speech	language into Russian and vice versa;
activities, such as listening,	UC-4.5. Conducts business correspondence in Russian and foreign
	languages, taking into account the peculiarities of the style of official
translating into everyday,	and unofficial letters and socio-cultural differences in the format of
mansianing into everyday,	and unornotal letters and socio-cultural uniterences in the following

professional, official, business UC-4.6. Uses dialogue for academic collaboration communication and scientific spheres of communication. Sommunication communication, taking into account the personality of the interlocutors, their communicative-speech strategy and tactics, the degree of formality of the situation; UC-5. The ability to perceive the intercultural diversity of society in the socio-historical, society in the socio-historical contexts. UC-5.1. Interprets the history of Russia in the context of world historical development; society in the socio-historical contexts. UC-5.2. Finds and uses information about the cultural characteristics and traditions of various social groups in social and professional communication; UC-5.3. Takes into account, in social and professional communication on a given topic, the historical heritage and socio-cultural traditions of various social groups, enhibits ophical and ethical teachings; UC-5.4. Collects information on a given topic, taking into account the ethnic groups and confessions, including world religions, philosophical and ethical teachings; UC-5.6. Adheres to the principles of non-discriminatory interaction in personal and mass communication in order to fulfill professional tasks and strengthen social integration. UC-6.1. Controls the amount of time spent on specific activities; UC-6.2. Develops tools and methods of time management in the principles of lifelong characteristics of the reformance of specific tasks, projects, goals; UC-6.2. Develops tools and methods of time management in the proper level of physical in relation to their own interests and needs, taking into account the conditions, means, personal opportunities, stages of career growth, time perspective for the development, goals and priorities of professional agrowth; UC-7.1. Chooses health-saving technologies to maintain a healthy lifestyle tasking into account the physiological characteristics of the body; UC-7.2. Plans his working and free time for the optimal combination of physical		
communication. communication, taking into account the personality of the interlocutors, their communicative-speech strategy and tactics, the degree of formality of the situation; UC-4.7. Forms and argues his own assessment of the main ideas of the participants in the dialogue (discussion) in accordance with the needs of joint activities. UC-5.1. Interprets the history of Russia in the context of world historical development; strictly in the socio-historical, ethical and philosophical contexts. UC-5.2. Finds and uses information about the cultural characteristics and traditions of various social groups in social and professional communication; UC-5.3. Takes into account, in social and professional communication on a given topic, the historical heritage and sociocultural traditions of various social groups, ethnic groups and confessions, including world religions, philosophical and ethical teachings; UC-5.4. Collects information on a given topic, taking into account the ethnic groups and confessions that are most widely represented at the points of the study; UC-5.5. Substantiates the features of project and team activities with representatives of other ethnic groups and (or) confessions; UC-6.1. Controls the amount of time spent on specific activities; UC-6.2. Develops tools and methods of time management in the imperingles of lifelong education. UC-6.1. Analyzes the amount of time spent on specific activities; UC-6.3. Analyzes the main opportunities and tools of continuous education in relation to their own interests and needs, taking into account the conditions, means, personal opportunities, stages of career growth, time perspective for the development of activities and labor market requirements; UC-7. The ability to maintain the proper level of physical and mental stress and ensuring efficiency; UC-7. Divides tasks into long, medium and short term UC-7. The ability to create and maintain safe living conditions in everyday life and in professional activities. UC-8. The ability to create and ma	socio-cultural, educational,	correspondence;
of the interlocutors, their communicative-speech strategy and tactics, the degree of formality of the situation; UC-4.7. Forms and argues his own assessment of the main ideas of the participants in the dialogue (discussion) in accordance with the needs of joint activities. UC-5 The ability to perceive the intercultural diversity of society in the socio-historical, society in the socio-historical, and philosophical contexts. UC-5.1. Interprets the history of Russia in the context of world historical development; society in the socio-historical, UC-5.2. Finds and uses information about the cultural characteristics and traditions of various social groups in social and professional communication; UC-5.3. Takes into account, in social and professional communication on a given topic, the historical heritage and sociocultural traditions of various social groups, ethnic groups and confessions, including world religions, philosophical and ethical teachings; UC-5.4. Collects information on a given topic, taking into account the ethnic groups and confessions that are most widely represented at the points of the study; UC-5.5. Adheres to the principles of non-discriminatory interaction in personal and mass communication in order to fulfill professional asks and strengthen social integration. UC-6.1. Develops tools and methods of time management in the principles of lifelong education. UC-6.2. Develops tools and methods of time management in the professional environment of specific tasks, projects, goals; UC-6.5. Analyzes the resources and their limits (personal, situational, temporary, etc.) for the successful completion of the task; UC-6.5. Analyzes the main opportunities and tools of continuous education in relation to their own interests and needs, taking into account the conditions, means, personal opportunities, stages of career growth, time perspective for the development, goals and priorities of professional growth; UC-6.6. Determines the tasks of self-development, goals and priorities of professional activitie	professional, official, business	UC-4.6. Uses dialogue for academic collaboration
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UC-8 The ability to create and maintain safe living conditions in everyday life and in professional activities uC-8.1. Analyzes the factors of harmful influence on the life of the elements of the environment (technical means, technological processes, materials, buildings and structures, natural and social phenomena);		1 · · · · · · · · · · · · · · · · · · ·
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conditions in everyday life processes, materials, buildings and structures, natural and social phenomena);	•	
and in professional activities phenomena);	_	,
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	to preserve the natural	UC-8.2. Identifies dangerous and harmful factors within the
environment, ensure the framework of the task being performed;	environment, ensure the	framework of the task being performed;

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society, including in the event	1
	UC-8.4. Explains measures to prevent emergency situations;
	UC-8.5. Explains the rules of conduct in the event of emergencies of
conflicts.	natural and man-made origin, as well as in the event of military
	conflicts;
	UC-8.6. Provides first aid, participates in recovery
	events.
UC-9 Ability to use basic	UC-9.1. Possesses ideas about the principles of non-discriminatory
	interaction in communication in various spheres of life, taking into
	account the socio-psychological characteristics of persons with
1	disabilities;
	UC-9.2. Plans and carries out professional activities with persons
	with disabilities or disabilities.
	UC 9.3. Interacts with persons with disabilities or disabilities in
	social and professional areas.
UC-10 The ability to make	UC-10.1. Understands the basic principles of the functioning of the
1	economy and economic development, the goals of the form of state
in various areas of life.	participation in the economy;
in various areas of fire.	UC-10.2. Applies personal economic and financial planning methods
	to achieve current and long-term financial goals;
	UC-10.3. Uses financial instruments to manage personal finances
TIC 11 TI 1 III C	(personal budget), controls own economic and financial risks.
	UC-11.1. Analyzes the current legal norms that ensure the fight
intolerant attitude towards	against corruption in various areas of life, as well as ways to prevent
corrupt behavior.	corruption and form an intolerant attitude towards it;
	UC-11.2. Plans, organizes and conducts activities that ensure the
	formation of a civil position and the prevention of corruption in
	society;
	UC-11.3. Complies with the rules of social interaction based on
	compliance with current legislation and an intolerant attitude towards
	corruption.
	UC-12.1. Searches for the necessary sources of information and data,
for the necessary sources of	perceives, analyzes, memorizes and transmits information using
information and data, to	digital means, as well as using algorithms when working with data
perceive, analyze, memorize	received from various sources in order to effectively use the
and transmit information	information received to solve problems;
using digital means, as well as	UC-12.2. Evaluates information, its reliability, builds logical
using algorithms when	conclusions based on incoming information and data.
working with data obtained	
from various sources in order	
to effectively use the	
information received to solve	
problems;	
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7.2. Upon completion of mastering the Higher Education Program, the graduate must have the following general professional competencies (GPC):

Code and name of the	Code and name of the indicator of achievement of
GPC	competence
GPC-1 The ability to	GPC-1.1. Knows the structure and functions of the main systems of
determine the biological	the animal body, taking into account specific features
status and normative clinical	GPC 1.2. Able to predict expected violations of the biological status
indicators of organs and	in case of suspected development of diseases
systems of the animal body.	GPC 1.3. Able to determine the main indicators of the activity of

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	individual body systems and draw conclusions about the presence of
	deviations from the normative values.
	GPC 1.4. Possesses the skills of taking samples of biological fluids
	and tissues for research, performing laboratory tests, interpreting
	research results.
GPC-2 The ability to	GPC-2.1. Has knowledge of the influence of natural, socio-economic,
interpret and evaluate in	genetic and economic factors on the animal organism.
professional activities the	GPC-2.2. Able to establish the presence and reliability of causal
impact on the physiological	relationships between the impact of individual etiological factors on
state of the animal organism	the animal's body and the development of diseases
of natural, socio-economic,	GPC-2.3. Owns methods of preventive and therapeutic correction of
genetic and economic	the impact of adverse environmental factors that can cause a
factors.	deterioration in the health of animals
GPC-3 The ability to carry	GPC-3.1. Knows modern legal norms, both state and international,
out and improve professional	regulating activities in the field of veterinary medicine, veterinary
activities in accordance with	and sanitary examination and agro-industrial complex
regulatory legal acts in the	GPC-3.2. Possesses the skills of updating legal information,
field of the agro-industrial	including in the field of agro-industrial complex
complex.	GPC-3.3. Carries out activities in accordance with regulatory legal
	acts in the field of agro-industrial complex, as well as in the field of
	veterinary medicine and veterinary and sanitary examination.
GPC-4 The ability to use in	GPC-4.1. Owns the conceptual and methodological apparatus of the
professional activities	basic natural sciences at a level sufficient for full-fledged
methods of solving problems	
using modern equipment in	GPC-4.2. Owns methods of solving problems using modern
the development of new	equipment
technologies and to use	GPC-4.3. Ready to use modern methodology in the development and
modern professional	conduct of experimental studies
methodology for conducting	GPC-4.4. Uses modern professional methodology when interpreting
experimental studies and	research results
interpreting their results.	
	GPC-5.1. Has the skills to search for the necessary forms of
special documentation,	documentation on official websites and specialized databases
analyze the results of	GPC-5.2. Proficient in professional terminology and skills in filling
professional activities and	out analytical and reporting documents of a professional nature
submit reporting documents	GPC-5.3. Able to use specialized software for analyzing the results of
using specialized databases.	professional activity and compiling reporting documentation.
GPC-6 The ability to	GPC-6.1. He has knowledge in the field of etiology and pathogenesis
analyze, identify and carry	of animal diseases of different species.
out a risk assessment of the	GPC-6.2. Has the skills to diagnose non-contagious, infectious and
risk of the emergence and	parasitic diseases, identify pathogens of infectious and parasitic
spread of diseases.	diseases in animals.
spread of diseases.	GPC-6.3. Knows patterns of occurrence and spread of diseases in
	animal populations, factors predisposing to diseases and causes of
	possible complications.
GPC-7 The ability to	GPC-7.1. Understands the principles of operation of modern
-	
understand the principles of modern information	computer equipment and telecommunications and knows how to use
	them to solve professional problems
technology and use them to	GPC-7.2. Uses modern special software and specialized databases to
solve problems of	solve professional problems and perform job duties
professional activity.	GPC-7.3. Has the skills to work on modern medical diagnostic and
	treatment equipment with software
	GPC-7.4. Uses specialized databases to solve professional problems in the field of diagnostics and treatment of animals of various species
	THE THE LIERO OF ALBOHOSTICS AND TREATMENT OF ANIMAIS OF VARIOUS SUCCESS

GPC-7.5. Uses geographic information systems and software systems in the collection and analysis of information related to the assessment of the spread of infectious diseases, epizootic situations, planning and evaluating the effectiveness of anti-epizootic measures

7.3. The list of professional competencies (PC) * that a graduate who has fully mastered the Higher Education Program should have:

Code and name of the PC	Code and name of the indicator of achievement of competence	Code and name of prof. standard on the basis of which PC is formulated
an anamnesis of life and illness of animals to identify the causes of diseases and their nature PC-2 The ability to conduct a general clinical study of animals in order to establish a preliminary diagnosis and determine a further research program, as well as in accordance with the plan of antiepizootic measures, the plan for the prevention of non-communicable animal diseases	PC-1.1. Able to collect an anamnesis of the life of the animal and reflect this in the relevant service documentation PC-1.2. Able to take anamnesis of the animal's disease and reflect it in the patient's medical history PC-1.3. Able to identify possible causes of a disease in an animal, factors predisposing to the disease and concomitant conditions that affect the nature of the course of the disease, and use this information when making a diagnosis PC-2.1. Able to conduct a general clinical study of animals of different species in order to establish a preliminary diagnosis and determine a further research program PC-2.2. Able to conduct mass clinical trials of animals in accordance with the plan of anti-epizootic measures, the plan for the prevention of non-communicable animal diseases PC-3.1. Able to develop individual programs for animal research, including the use of special (instrumental) and laboratory methods to detect deviations from the physiological norm of the state of a living organism, conduct differential diagnosis of the identified pathology or control the course of the disease and the effectiveness of the prescribed treatment PC-3.2. Able to develop massive comprehensive animal research programs (medical examination programs) of animals, taking into account their type and purpose, both general and special PC-4.1. Able to conduct additional studies of animals using	Professional Standard 141 Veterinarian (type of professional activity - Ensuring the veterinary welfare of animals and humans code 13.012 ARCO code - 2250 Veterinarians
conduct clinical studies	laboratory methods to clarify the diagnosis PC-4.2. Able to conduct additional studies of animals using special (instrumental) methods to clarify the diagnosis	
PC-5. The ability to make a diagnosis based on the analysis of anamnesis data, general,	PC-5.1. Able to diagnose patients of various types based on the analysis of anamnesis data, general, special (instrumental) and laboratory research methods PC-5.2. Able to predict the risks of diseases on the basis of anamnestic data, the results of general, special	

and laboratory research methods	(instrumental) and laboratory studies
	PC-6.1. Able to develop a treatment plan for animals based
	on the established diagnosis and individual characteristics of
based on the established	
	PC-6.2. Able to develop recommendations for therapeutic
characteristics of	and prophylactic manipulations to prevent diseases, the high
animals	probability of which was revealed in the study of the patient
ammais	PC-6.3. Able to develop recommendations for conducting
	preventive and therapeutic and therapeutic measures based
	on the results of animal examinations conducted as part of
	medical examination
PC-7 The ability to	PC-7.1. Able to choose drugs of chemical and biological
select the necessary	nature necessary for the treatment of animals, guided by the
	principles of evidence-based medicine, taking into account
- C	their cumulative pharmacological effects on the body
treatment of animals,	PC-7.2. Able to justify the prescription of a drug in a
	specific clinical case or the impossibility of using this drug
cumulative	in the situation under consideration
	PC-7.3. Able to calculate the dose, frequency and duration
on the body	of the course of drug administration to the patient, taking
•	into account the form of release and the characteristics of
	the administration of the drug to the patient
	PC-7.4. Able to take into account drug interactions when
	prescribing a course of treatment to an animal already
	receiving drugs and dietary supplements due to the presence
	of previously identified diseases
	PC-7.5. Able to take into account economic, species and age
	characteristics, as well as the results of laboratory tests of
	the patient when choosing drugs for the treatment of the
	patient
PC-8 Ability to choose	PC-8.1. Able to choose and justify his choice of methods of
methods of non-drug	non-drug therapy, including physiotherapy methods, for the
therapy, including	treatment of animals
1 J	PC-8.2. Able to assess the effectiveness of the chosen
for the treatment of	method in treating the patient and, if necessary, adjust the
animals	treatment method or change the chosen method to another
•	PC-9.1. Able to carry out medical, including physiotherapy,
medical, including	procedures using special equipment in compliance with
physiotherapy	safety rules
equipment in	PC-9.2. Able to take into account the species, age and individual characteristics of animals undergoing treatment
* *	using special equipment, to choose acceptable methods of
rules	fixing the patient during the procedure, the conditions for
luics	the procedures and their duration
PC-10 The ability to	PC-10.1. Able to determine the need for the use of surgical
determine the need for	methods in the treatment of animals
the use of surgical	PC-10.2. Able to choose the optimal surgical method for the
<u> </u>	patient, taking into account external conditions and the
of animals	status of the patient's body, and if necessary, several
or unimus	manipulations - their order and timing
	PC-10.3. Able to take into account the risks and possible
	complications that accompany surgical interventions and
	take measures to prevent them
PC-11 Ability to	PC-11.1. Able to develop a plan for the surgical operation
develop a plan for a	PC-11.2. Able to choose and justify the best option for
surgical operation,	patient anesthesia during the surgical operation and in the
including the choice of	postoperative period
anesthesia method	

PC-12 The ability to	PC-12.1. Able to prepare the room, equipment and
conduct surgical	consumables necessary for the surgical intervention, taking
intervention in the body	into account the requirements of asepsis and antisepsis.
of animals in the	PC-12.2. Able to prepare the operating team for surgical
treatment of various	intervention, taking into account the requirements of asepsis
diseases, castration,	and antisepsis
sterilization, for	PC-12.3. Able to prepare the patient for surgical
cosmetic purposes	intervention, taking into account the requirements of asepsis
	and antisepsis
	PC-12.4. Able to assist the operating surgeon during
	surgical interventions
	PC-12.5. Able to carry out preventive and economic
	operations (including castration, dehorning, etc.) in farm
	animals and companion animals
	PC-12.6. Able to independently perform diagnostic and
	therapeutic operations in animals of different species, taking
	into account the species, age and individual characteristics
DC 12 Abiliana	of patients DC 12.1. Able to justify the amointment of special feeding.
PC-13 Ability to	PC-13.1. Able to justify the appointment of special feeding
develop	to an animal with a therapeutic purpose for various diseases
recommendations for	PC-13.2. Able to recommend the approximate composition of the reporting dists, the desired ratio of putrients, the
special feeding of sick animals for therapeutic	of therapeutic diets, the desired ratio of nutrients, the presence of special additives and components that enhance
purposes	the therapeutic effect of the diet
parposes	PC-13.3. Able to use special programs and databases for the
	selection of industrial therapeutic diets and dietary
	supplements, as well as for the preparation of individual
	therapeutic diets for animals of various species.
PC-14 The ability to	PC-14.1. Able to develop a plan for repeated studies
conduct repeated	necessary and sufficient to assess the predicted changes in
	the patient's health status
of animals to assess the	PC-14.2. Able to conduct a repeated clinical examination,
effectiveness and safety	taking into account the specifics of diseases previously
of the prescribed	diagnosed in the patient
	PC-14.3. Able to conduct the necessary repeated
treatment plan for	instrumental and laboratory studies
animals (if necessary)	PC-14.4. Able to analyze the identified changes, evaluate
based on the results of	the effectiveness of the treatment and, if necessary, correct
evaluating the	the prescribed course of treatment.
effectiveness of	
treatment	
PC-15 Ability to	PC-15.1. Able to draw up individual and group plans for
organize preventive	preventive immunizations (vaccinations) taking into account
immunizations	the epizootic situation in the territory where the animals are
(vaccinations),	staying, the plan of anti-epizootic measures, as well as state
therapeutic and	and regional veterinary and sanitary rules and requirements
prophylactic treatment	PC-15.2. Able to organize therapeutic and prophylactic
	treatment of animals in accordance with the plan of anti-
with the plan of anti-	epizootic measures, and also, if necessary, taking into
epizootic measures	account the real epizootic situation in the places of stay of
DC 16 Ability to	animals, incl. in the conditions of agricultural production
PC-16 Ability to	PC-16.1. Able to assess the impact of the conditions of
organize organizational,	keeping and feeding animals on their health as part of the
technical, zootechnical	implementation of action plans for the prevention of animal diseases
and veterinary measures aimed at the prevention	PC-16.2. Able to carry out veterinary control over the
of non-communicable	quality and procurement of animal feed in order to ensure
diseases in accordance	their veterinary and sanitary safety as part of the
with the plan for the	implementation of action plans for the prevention of animal
	implementation of action plans for the prevention of allithat

PC-18 The ability to exercise animals, taking into account their species animals, taking into account their species animals, taking into account their species animals of animals, taking into account their species and the results of examination of animals, taking into account their species and the results of conduct medical examinations of animals of examination of animals of examination of animals of examination of animals of examination of animals in order to establish pathological processes, diseases, acauses of death PC-19 A bility to develop an annual plan for the reventior of non-communicable animal plan for and senitary proventive of non-communicable animal diseases, a plan for veterinary, and sanitary measures. PC-19 A bility to develop an annual plan for the reventior of non-communicable animal diseases, a plan for veterinary, and sanitary measures. PC-20.1 A bile to determine the procedure for disinfection, disinsection, deratization and other veterinary and sanitary measures (a beging animals, taking into account their species and the epizootic situation PC-17.4. Able to control the results of veterinary and sanitary measures are develop an annual plan for the results of examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals conducted as part of the medical examination of animals of examination of animals of examina		
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	veterinary and sanitary	the prevention of animal diseases in order to improve them
PC-21 Ability to PC-21.1. Able to detect deviations in the microclimate	measures	
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measures		
PC-22 Ability to	PC-22.1. Able to assess the epizootic state of an	
organize measures to	organization (territory), identify risks and possible causes of	
protect the organization	epizootic foci, as well as factors affecting their spread in	
from the introduction of	specific organizations, territories	
infectious and parasitic	PC-22.2. Able to select and apply the most effective	
diseases in accordance	measures to protect the organization from the introduction	
with the plan of anti-	of infectious and parasitic diseases	
epizootic measures	PC-22.3. Able to carry out operational control of the	
	effectiveness of ongoing activities	
PC-23 Ability to analyze	PC-23.1. Able to collect and analyze information, including	
the effectiveness of	veterinary statistics, necessary to assess the effectiveness of	
animal disease	preventive anti-epizootic measures, prevention of non-	
prevention measures in	communicable animal diseases, veterinary and sanitary	
order to improve them	measures	
	PC-23.2. Able to evaluate the effectiveness of preventive	
	measures taken and methods for their implementation, incl.	
	using special software	
	PC-23.3. Is able, based on the analysis, to make proposals	
	for correcting measures for the prevention of animal	
	diseases	
PC-24 Ability and	PC-24.1. Able to set goals in the field of promotion of	
willingness to promote	veterinary knowledge, plan the strategy and tactics of	
veterinary knowledge,	upcoming events	
including in the field of	PC-24.2. Able to use computer and telecommunication	
animal disease	facilities for the preparation and demonstration of materials	
prevention	used in the promotion of veterinary knowledge	
	PC-24.3. Able to conduct conversations, lectures, seminars	
	for employees of the organization in order to explain the	
	principles of work on the prevention of animal diseases	
DC is formanilated by	the developer of the program teleing into accoun	

^{* -} PC is formulated by the developer of the program, taking into account the requirements of professional standards and the direction of the Higher Education Program.

8. MATRIX OF COMPETENCES formed in students during the development of the Higher Education Program, specialty 36.05.01. "Veterinary"

			UNIVERS	AL COM	IPETENCES		
Code	Name of disciplines/modules that form students' competencies	UC-1 The ability to carry out a critical analysis of problem situations based on a systematic approach, to develop an action strategy.	UC-2 The ability to determine the range of tasks within the framework of the goal and choose the best ways to solve them, based on the current legal norms, available resources and restrictions.	UC-3 The ability to carry out social interaction and realize their role in the team.	UC-4 The ability to communicate in interpersonal and intercultural interaction in Russian as a foreign and foreign language(s) based on the possession of interrelated and interdependent types of reproductive and productive foreign language speech activities, such as listening, speaking, reading, writing and translating into everyday, social, cultural, educational, professional, official, business and scientific spheres of communication.	UC-5 The ability to analyze and take into account the diversity of cultures in the process of intercultural interaction.	UC-6 The ability to determine and implement the priorities of one's own activity and ways to improve it on the basis of self-assessment and lifelong education.
Block 1.	Disciplines (modules)						
B1.0	Mandatory part						
B1.0.01	Basic component						
B1.O.01.01	Animal anatomy						
B1.O.01.02	History	UC-1.5				UC-5.1., UC-5.3.	
B1.O.01.03	Latin language				UC-4.4., UC-4.6.		
B1.O.01.04	Inorganic and Analytical Chemistry						

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B1.O.01.05	Organic chemistry					
B1.O.01.05	Jurisprudence			UC-3.1.		
B1.O.01.07	Biology with the basics of ecology					
B1.O.01.08	Veterinary genetics					
B1.O.01.09	Biological physics					
B1.O.01.10	Computer science					
B1.O.01.11	Physical and colloidal chemistry					
B1.O.01.12	Philosophy		UC-2.1., UC- 2.2., UC-2.3.		UC-5.3., UC-5.4.	UC-6.5., UC-6.6.
B1.O.01.13	Cytology, histology and embryology					
B1.O.01.14	Life safety	UC-1.1, UC- 1.2., UC- 1.3., UC- 1.4., UC-1.5.		UC-3.1., UC-3.2.		
B1.O.01.15	Biological chemistry	11.11, 0 0 1101				
B1.O.01.16						
B1.O.01.17	Veterinary microbiology and mycology					
B1.O.01.18	Virology and Biotechnology					
B1.O.01.19	Physiology and ethology of animals					
B1.O.01.20	Breeding with the basics of private zootechnics					
B1.O.01.21	Animal health and welfare					
B1.O.01.22	Feeding animals with the basics of feed production					
B1.O.01.23	pathological physiology					
B1.O.01.24	Veterinary pharmacology					

B1.O.01.25	Veterinary radiobiology				
B1.O.01.26	Clinical diagnostics				
B1.O.01.27	pathological anatomy			UC-3.3.	
B1.O.01.28	Operative surgery with topographic anatomy				
B1.O.01.29	Instrumental diagnostic methods				
B1.O.01.30	Toxicology	UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.			
B1.O.01.31		UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.		3.1., UC- 3.3.	
B1.O.01.32	Internal non-communicable diseases	UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.		UC-3.3.	
B1.O.01.33	general surgery	UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.		UC-3.3.	
B1.O.01.34	Private Veterinary Surgery	UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.		UC-3.3.	
B1.O.01.35	Parasitology and invasive diseases	UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.		UC-3.3.	
B1.O.01.36	Epizootology and infectious diseases	UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.			
B1.O.01.37	Veterinary and sanitary examination	UC-1.1, UC- 1.2., UC-	UC-2.1 UC-	UC-3.1., UC-3.2., UC-3.3.	UC-6.1., UC-6.2., UC-6.3.
B1.O.01.38	Organization of veterinary business	,	,		
B1.O.01.39	Forensic veterinary examination and autopsy of animals				
B1.O.02	Physical Culture				
B1.O.02.01	Variable component	UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.		UC-3.5.	UC-6.1., UC-6.2.

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B1.O.02.02	Maths		UC-3.5.	UC-4.1., UC-4.2.	UC-5.6.	
B1.O.02.03	Fundamentals of Rhetoric and Communication	UC-2.1., UC-2.2., UC-2.3.	UC-3.1.			UC-6.3., UC-6.4., UC-6.5., UC-6.6., UC-6.7.
B1.O.02.04	Introduction to the specialty	UC-2.1., UC-2.2., UC-2.3.	UC-3.1., UC-3.2.			
B1.O.02.05	Fundamentals of Economics and Management					
B1.O.02.06	Immunology					
B1.O.02.07	General and veterinary ecology		UC-3.1., UC-3.2.			
B1.O.02.08	Veterinary sanitation					
B1.O.02.09	Technology for processing livestock products	UC-2.1., UC-2.2., UC-2.3.	UC-3.1., UC-3.2., UC-3.3., UC-3.4., UC-3.5., UC-3.6		UC-5.5., UC-5.6.	UC-6.6., UC-6.7.
B1.O.02.10	Veterinary deontology	UC-2.1., UC- 2.2., UC-2.3.				
B1.O.03	Economics and organization of agricultural production					
B1.O.03.01	Course work					UC-6.1., UC-6.2., UC-6.3., UC-6.4., UC-6.7.
В1.О.ДВ.01	Animal welfare					
B1.O.ДВ.01.0 1	Foreign language			UC-4.1., UC-4.2., UC-4.3.	UC-5.4.	
2	Foreign language			UC-4.1., UC-4.2., UC-4.3.	UC-5.4.	
В1.В.ДВ.01 В1.В.ДВ.01.01	Russian as a foreign language) Elective disciplines (modules) 1					

	(DV.1)						
В1.В.ДВ.02	Interdisciplinary module						
	Applied physical culture						
В1.В.ДВ.03	Applied physical education						
В1.В.ДВ.03.01	Elective disciplines (modules) 3 (DV.3)						
В1.В.ДВ.03.02	Medicinal and poisonous plants						
В1.В.ДВ.03.03			UC-2.1., UC- 2.2., UC-2.3.	UC-3.1., UC-3.2., UC-3.3., UC-3.4., UC-3.5., UC-3.6.	UC-4.1., UC-4.7.	UC-5.5., UC-5.6.	UC-6.6., UC-6.7.
В1.В.ДВ.04	Basics of professional ethics				,		
В1.В.ДВ.04.01	· · · · · · · · · · · · · · · · · · ·	UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.					
В1.В.ДВ.04.02	Zoopsychology						
В1.В.ДВ.04.03	animal health		UC-2.1., UC- 2.2., UC-2.3.	UC-3.1.		UC-5.5., UC-5.6.	UC-6.3., UC-6.4., UC-6.5., UC-6.6., UC-6.7.
В1.В.ДВ.05	Psychology of personality and professional self-determination		,				
В1.В.ДВ.05.01	Elective disciplines (modules) 5 (EC.5)						
В1.В.ДВ.05.02	Clinical laboratory diagnostics						
В1.В.ДВ.06	Laboratory diagnostics of infectious and parasitic diseases						
В1.В.ДВ.06.01	(DV.6)	UC-1.1, UC- 1.2., UC- 1.3., UC-1.4.					
В1.В.ДВ.06.02	Organization of state veterinary supervision		UC-2.1., UC- 2.2., UC-2.3., UC-2.4., UC- 2.5				

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В1.В.ДВ.07	Veterinary and manufacturing						
	laboratories with design basics						
В1.В.ДВ.07.01	Elective disciplines (modules) 7 (DV.7)						
	Biometrics in veterinary medicine						UC-6.1.,
							UC-6.2.,
							UC-6.3.,
В1.В.ДВ.07.02			UC-2.1., UC-				UC-6.4.,
			2.2., UC-2.3.,				UC-6.5.,
			UC-2.4., UC-				UC-6.6.,
	G M	1.4., UC-1.5.	2.5			110.50	UC-6.7.
р1 р пр 07 02	Career Management					UC-5.2., UC-5.3.,	
В1.В.ДВ.07.03				UC-3.1.		UC-5.3., UC-5.4.	
	Fundamentals of social and legal	UC-1.1, UC-		00-3.1.		00-3.4.	
В1.В.ДВ.07.04		1.2., UC-					
Б1.Б.дБ.07.01	initio wiedge	1.3., UC-1.4.					
В1.В.ДВ.08		1.0., 00 1					
21.2.72.00							
D1 D HD 00 01	Space technologies in the service of the						
В1.В.ДВ.08.01	agro-industrial complex						
В1.В.ДВ.08.02	Elective disciplines (modules) 8 (DV.8)						
В1.В.ДВ.08.03	Equine diseases				UC-4.5., UC-4.6., UC-4.7.		
В1.В.ДВ.09	Diseases of food producing animals						
В1.В.ДВ.09.01							
В1.В.ДВ.09.02	Communication workshop						
В1.В.ДВ.09.03	3						
В1.В.ДВ.09.04	Elective disciplines (modules) 9 (DV.9)						
В1.В.ДВ.09.05	Diseases of small animals						
	Diseases of small pets						
	Diseases of bees and entomophages						
	Fish pathology and aquaculture						
В1 В ЛВ 10 03	Diseases of exotic animals						
D1 D IID 10 04	Elective disciplines (modules) 10						
вт.в.дв.10.04	(EC.10)						

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В1.В.ДВ.10.05	Anesthesiology, resuscitation and						
	intensive care						
В1.В.ДВ.11	Dermatology						
D1 D HD 11 01	23	UC-1.1, UC-					
В1.В.ДВ.11.01		1.2., UC-					
D.1 D. HD.11.00		1.3., UC-1.4.					
В1.В.ДВ.11.02							
В1.В.ДВ.11.03	1 0,						
В1.В.ДВ.12	Elective disciplines (modules) 11 (DV.11)						
В1.В.ДВ.12.01	Reconstructive and restorative surgery				UC-4.3., UC-4.4., UC-4.5., UC-4.6.		
В1.В.ДВ.12.02	Veterinary ophthalmology				UC-4.3., UC-4.4., UC-4.5., UC-4.6.		
В1.В.ДВ.13	Animal Dentistry						
	Foreign language for special purposes				UC-4.1., UC-4.2., UC-4.3.	UC-5.4.	
В1.В.ДВ.13.02	Foreign language for special purposes				UC-4.1., UC-4.2., UC-4.3.	UC-5.4.	
В1.В.ДВ.14	Russian language for special purposes						
В1.В.ДВ.14.01	Foreign language. Translation of special texts				UC-4.1., UC-4.2., UC-4.3.	UC-5.4.	
В1.В.ДВ.14.02	Foreign language. Translation of special texts				UC-4.1., UC-4.2., UC-4.3.	UC-5.4.	
ВЛОК 2.	Russian language. Translation of special texts						
B2.O.01	Foreign language. Professional communications						
	Foreign language. Professional		UC-2.1., UC-	UC-3.1.			UC-6.3.,
	communications		2.2., UC-2.3.				UC-6.4.,
В2.О.01.01(У)							UC-6.5.,
							UC-6.6.,
							UC-6.7.
	2 2	,	UC-2.1., UC-		UC-4.1., UC-4.2., UC-4.3.,	UC-5.1.,	UC-6.1.,
			2.2., UC-2.3.,		UC-4.4., UC-4.5., UC-4.6.,	UC-5.2.,	UC-6.2.,
B2.O.02.01(Π)			UC-2.4., UC-	UC-3.3.,		UC-5.3.,	UC-6.3.,
		1.4., UC-1.5.	2.5	UC-3.4.,		UC-5.4	UC-6.4.,
				UC-3.5.,		UC-5.5.,	UC-6.5.,

				UC-3.6.		UC-5.6.	UC-6.6., UC-6.7.
В2.В.ДВ.01	Practice						
	base component	/	UC-2.1., UC-	/	UC-4.1., UC-4.2., UC-4.3.,	UC-5.1.,	UC-6.1.,
			2.2., UC-2.3.,		UC-4.4., UC-4.5., UC-4.6.,	UC-5.2.,	UC-6.2.,
В2.В.ДВ.01.01			UC-2.4., UC-	UC-3.3.,		UC-5.3.,	UC-6.3.,
(Π)		1.4., UC-1.5.	2.5	UC-3.4.,		UC-5.4	
				UC-3.5., UC-3.6.		UC-5.5., UC-5.6.	
				UC-3.6.		UC-3.6.	UC-6.6., UC-6.7.
	Educational practice	UC 1 1 UC	UC-2.1., UC-	LIC 3.1	UC-4.1., UC-4.2., UC-4.3.,	UC-5.1.,	UC-6.1.,
	Educational practice		2.2., UC-2.3.,		UC-4.4., UC-4.5., UC-4.6.,	UC-5.2.,	
В2.В.ДВ.01.02			UC-2.4., UC-	UC-3.3.,		UC-5.3.,	
(Π)		1.4., UC-1.5.		UC-3.4.,		UC-5.4	UC-6.4.,
		1, 00 1.0.	2.0	UC-3.5.,		UC-5.5.,	,
				UC-3.6.		UC-5.6.	UC-6.6.,
							UC-6.7.
Влок 3	General professional practice						
	Elective practices (modules) 1 (DV.1)						UC-6.1.,
				UC-3.1.,		UC-5.1.,	UC-6.2.,
B3.O.01				UC-3.2.,		UC-5.2.,	
D 3.0.01		,	UC-2.1., UC-	UC-3.3.,		UC-5.3.,	
			2.2., UC-2.3.,		UC-4.1., UC-4.2., UC-4.3.,	UC-5.4	UC-6.5.,
					UC-4.4., UC-4.5., UC-4.6.,	UC-5.5.,	UC-6.6.,
		1.4., UC-1.5.	2.5	UC-3.6.	UC-4.7.	UC-5.6.	UC-6.7.
ФТД.	Medical practice						
	Academic research practice with the				UC-4.1., UC-4.2., UC-4.3.	UC-5.4.	
	preparation of a scientific qualification project						

		UNIVERSAL COMPETENCES							
Code	Name of disciplines/modules that form students' competencies	UC-7 The ability to maintain the proper level of physical fitness to ensure full-fledged social and professional activities.	UC-8 The ability to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure the sustainable development of society, including in the event of a threat and the occurrence of emergencies and military conflicts.	UC-9 Ability to use basic defectological knowledge in social and professional areas.	UC-10 The ability to make informed economic decisions in various areas of life.	UC-11 The ability to form an intolerant attitude towards corrupt behavior.	UC-12 The ability to search for the necessary sources of information and data, to perceive, analyze, memorize and transmit information using digital means, as well as using algorithms when working with data obtained from various sources in order to effectively use the information received to solve problems;		
Block 1.	Disciplines (modules)								
B1.B	Mandatory part								
B1.B.01	Basic component								
B1.B.01.01	Animal anatomy								
B1.B.01.02	History		UC-8.1.						
B1.B.01.03	Latin language								
B1.B.01.04	Inorganic and Analytical Chemistry		UC-8.1.						
B1.B.01.05	Organic chemistry		UC-8.1.						

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B1.B.01.05	Jurisprudence			UC- 11.1., UC- 11.2., UC-11.3	UC-12.1., UC-12.2.
B1.B.01.07	Biology with the basics of ecology				
B1.B.01.08	Veterinary genetics				
B1.B.01.09	Biological physics		UC-8.1.		
B1.B.01.10	Computer science				UC-12.1., UC-12.2.
B1.B.01.11	Physical and colloidal chemistry		UC-8.1.		
B1.B.01.12	Philosophy			UC- 11.1., UC-11.2	UC-12.2.
B1.B.01.13	Cytology, histology and embryology				
B1.B.01.14	Life safety	UC-7.1., UC-7.3.	UC-8.1., UC-8.2., UC-8.3., UC-8.4., UC-8.5., UC-8.6.		UC-12.2.
B1.B.01.15	Biological chemistry		UC-8.1.		
B1.B.01.16	Veterinary microbiology and mycology		UC-8.1., UC-8.2.		
B1.B.01.17	Virology and Biotechnology		UC-8.1., UC-8.2.		
B1.B.01.18	Physiology and ethology of animals				
B1.B.01.19	Breeding with the basics of private zootechnics				
B1.B.01.20	Animal health and welfare				
B1.B.01.21	Feeding animals with the basics of feed production				
B1.B.01.22	pathological physiology				
B1.B.01.23	Veterinary pharmacology				
B1.B.01.24	Veterinary radiobiology		UC-8.1., UC-8.2., UC-8.4., UC-8.5.		
B1.B.01.25	Clinical diagnostics				
B1.B.01.26	pathological anatomy				

B1.B.01.27	Operative surgery with topographic						
	anatomy						
B1.B.01.28	Instrumental diagnostic methods						UC-12.1., UC-12.2.
B1.B.01.29	Toxicology						
B1.B.01.30	Obstetrics, gynecology and andrology	7					
B1.B.01.31	Internal non-communicable diseases						
B1.B.01.32	General surgery						
B1.B.01.33	Private Veterinary Surgery						
B1.B.01.34	Parasitology and invasive diseases		UC-8.1.				
B1.B.01.35	Epizootology and infectious diseases		UC-8.1.				
D.1. D. 0.1. 0.6	Veterinary and sanitary examination				UC-10.1.,		
B1.B.01.36					UC-10.2., UC-10.3.		
B1.B.01.37	Organization of veterinary business		UC-8.1., UC-8.3.				HC 12.1 HC 12.2
B1.B.01.37	Forensic veterinary examination and		UC-8.1., UC-8.3.		UC-10.1.	UC-	UC-12.1., UC-12.2.
	autopsy of animals					11.1.,	
B1.B.01.38	autopsy of animals					UC-	
B1.B.01.30						11.2.,	
							UC-12.1., UC-12.2.
B1.B.01.39	Physical Culture	UC-7.1., UC-					
		7.2., UC-7.3.					
B1.B.02	Variable component						
B1.B.02.01	Maths				UC-10.1.		UC-12.1., UC-12.2.
D1 D 02 02	Fundamentals of Rhetoric and						
B1.B.02.02	Communication						
B1.B.02.03	Introduction to the specialty						
	Fundamentals of Economics and				UC-10.1.,		
B1.B.02.04	Management				UC-10.2.,		
					UC-10.3		
B1.B.02.05	Immunology						
B1.B.02.06	General and veterinary ecology		UC-8.1.				
B1.B.02.07	Veterinary sanitation		UC-8.1.				
B1.B.02.08	Technology for processing livestock products						
	Veterinary deontology			UC-9.1.,		UC-	
B1.B.02.09				UC-9.2.,		11.1.,	
			UC-8.6.	UC 9.3.		UC-	UC-12.1., UC-12.2.

		1	T	1	1	1.1.0	T
						11.2., UC-11.3.	
	E				TIC 10 1		
B1.B.02.10	Economics and organization of agricultural production				UC-10.1., UC-10.2.,		
D1.D.02.10	agricultural production				UC-10.2., UC-10.3.		
B1.B.03	Course work						
B1.B.03.01	Animal welfare						
B1.B.ED.01	Foreign language						
B1.B.ED.01.01	Foreign language						
B1.B.ED.01.02	Russian as a foreign language)						
B1.E.ED.01	Elective disciplines (modules) 1 (ED.1)						
B1.E.ED.01.01	Interdisciplinary module						
B1.E.ED.02	Applied physical culture						
B1.E.ED.02.01	Applied physical culture	UC-7.1., UC-7.2., UC-7.3.					
B1.E.ED.03	Elective disciplines (modules) 3 (ED.3)						
B1.E.ED.03.01	Medicinal and poisonous plants						UC-12.1., UC-12.2.
B1.E.ED.03.02	Fodder plants						
	Basics of professional ethics					UC-	
	•					11.1.,	
B1.E.ED.03.03				UC-9.1.,		UC-	
				UC-9.2.,		11.2.,	
			UC-8.6.	UC 9.3.		UC-11.3.	UC-12.1., UC-12.2.
B1.E.ED.04	Elective disciplines (modules) 4 (ED.4)						
	Zoopsychology			UC-9.1.,			
B1.E.ED.04.01				UC-9.2.,			
B1.E.ED.04.02	Animal health			UC 9.3.			
D1.E.ED.04.02	Psychology of personality and					UC-	
	professional self-determination					11.1.,	
B1.E.ED.04.03	professional sen-determination					UC-	
D1.D.D.07.03						11.2.,	
							UC-12.1., UC-12.2.
B1.E.ED.05	Elective disciplines (modules) 5						,
D1.11.11.11.03	(ED.5)						

B1.E.ED.05.01	Clinical laboratory diagnostics	1				
D1.E.ED.03.01	Chinear laboratory diagnostics					UC-12.1., UC-12.2.
B1.E.ED.05.02	Laboratory diagnostics of infectious					00 12.1., 00 12.2.
B1.E.EB.03.02	and parasitic diseases		UC-8.2.			UC-12.1., UC-12.2.
B1.E.ED.06	Elective disciplines (modules) 6 (ED.6)					,
B1.E.ED.06.01	Organization of state veterinary supervision		UC-8.1., UC-8.3.			.UC-12.1., UC-12.2.
B1.E.ED.06.02	Veterinary and manufacturing laboratories with design basics			UC-10 UC-10 UC-10	.2.,	UC-12.1., UC-12.2.
B1.E.ED.07	Elective disciplines (modules) 7 (ED.7)					
B1.E.ED.07.01	Biometrics in veterinary medicine					UC-12.1., UC-12.2.
B1.E.ED.07.02	Career Management	UC-7.1., UC-7.2., UC-7.3.				
B1.E.ED.07.03	Fundamentals of social and legal knowledge				UC- 11.1., UC-11.2	.UC-12.1., UC-12.2.
B1.E.ED.07.04	Space technologies in the service of the agro-industrial complex		UC-8.2.			,
B1.E.ED.08	Elective disciplines (modules) 8 (ED.8)					
B1.E.ED.08.01	Equine diseases					
B1.E.ED.08.02	Diseases of food producing animals					
B1.E.ED.08.03	Communication workshop					
B1.E.ED.09	Elective disciplines (modules) 9 (ED.9)					
B1.E.ED.09.01	Diseases of small animals					
B1.E.ED.09.02	Diseases of small pets					
B1.E.ED.09.03	Diseases of bees and entomophages					
B1.E.ED.09.04	Fish pathology and aquaculture					
B1.E.ED.09.05	Diseases of exotic animals					
B1.E.ED.10	Elective disciplines (modules) 10 (EC.10)					

			Ι	1	T	ı	
B1.E.ED.10.01	Anesthesiology, resuscitation and						
	intensive care						
B1.E.ED.10.02	Dermatology						
B1.E.ED.10.03	Cardiology						
B1.E.ED.10.04	Endocrinology						
B1.E.ED.10.05	Nephrology						
B1.E.ED.11	Elective disciplines (modules) 11						
	(ED.11)						
B1.E.ED.11.01	Reconstructive and restorative						
	surgery						
B1.E.ED.11.02	Veterinary ophthalmology						
B1.E.ED.11.03	Animal Dentistry						
B1.E.ED.12	Foreign language for special						
	purposes						
B1.E.ED.12.01	Foreign language for special purposes						
B1.E.ED.12.02	Russian language for special						
	purposes						
B1.E.ED.13	Foreign language. Translation of						
	special texts						
B1.E.ED.13.01	Foreign language. Translation of						
B11E1EB113101	special texts						
B1.E.ED.13.02	Russian language. Translation of						
	special texts						
B1.E.ED.14	Foreign language. Professional						
	communications						
B1.E.ED.14.01	Foreign language. Professional communications						
B1.E.ED.14.02	Russian language. Professional communications						
BLOCK 2.	Practice						
B2.B.01	Base component						
	Educational practice						
В2.В.01.01(У)	1					LIC	
	General professional practice					UC- 11.1.,	
B2.B.02.01(P)			UC-8.1., UC-8.2.,	IIC-0 1	LIC-10 1		
D2.D.02.01(1)		UC-7 1 UC-	UC-8.3., UC-8.4.,	UC-9.1.,	UC-10.1.,	11.2	
							UC-12.1., UC-12.2.
B2.E.ED.01	Elective practices (modules) 1			2 2 7.5.		2 2 11.3.	
DL.D.01	Electric practices (modules) 1		l			L	

	(ED.1)						
	Medical and industrial practice					UC-	
	-					11.1.,	
B2.E.ED.01.01(P)			UC-8.1., UC-8.2.,	UC-9.1.,	UC-10.1.,	UC-	
			UC-8.3., UC-8.4.,				
		7.2., UC-7.3.	UC-8.5., UC-8.6.	UC 9.3.	UC-10.3.	UC-11.3.	UC-12.1., UC-12.2.
	Academic research practice with the					UC-	
P2 F FD 01 02(D)	preparation of a scientific					11.1.,	
D2.E.ED.01.02(1)	[-1 ···· F J ·		UC-8.1., UC-8.2.,				
			UC-8.3., UC-8.4.,				
		7.2., UC-7.3.	UC-8.5., UC-8.6.	UC 9.3.	UC-10.3.	UC-11.3.	UC-12.1., UC-12.2.
BLOCK 3	State final certification						
	Preparation for passing and passing					UC-	
B3.B.01	the state exam					11.1.,	
D3.D.01			UC-8.1., UC-8.2.,				
			UC-8.3., UC-8.4.,				
		7.2., UC-7.3.	UC-8.5., UC-8.6.	UC 9.3.	UC-10.3.	UC-11.3.	UC-12.1., UC-12.2.
OC.	Optional course						
OC.E.01	Russian language						

		GENERAL PROFESSIONAL COMPETENCIES							
Code	Name of disciplines/modules that form students' competencies	GPC-1 The ability to determine the biological status and normative clinical indicators of organs and systems of the animal body	GPC-2 The ability to interpret and evaluate in professional activities the impact on the physiological state of the animal organism of natural, socio-economic, genetic and economic	GPC-3 The ability to carry out and improve professional activities in accordance with regulatory legal acts in the field of the agro-industrial complex.	GPC-4 The ability to use in professional activities methods of solving problems using modern equipment in the development of new technologies and to use modern professional methodology for conducting experimental studies and interpreting their results.	GPC-5 The ability to draw up special documentation, analyze the results of professional activities and submit reporting documents using specialized databases.	GPC-6 The ability to analyze, identify and carry out a risk assessment of the risk of the emergence and spread of diseases.	GPC-7 The ability to understand the principles of modern information technology and use them to solve problems of professional activity.	
Block 1.	Disciplines (modules)								
B1.B B1.B.01	Mandatory part								
	Basic component								
B1.B.01.01	Animal anatomy	GPC-1.1.							
B1.B.01.02	History								
B1.B.01.03	Latin language								

					cpc 11 cpc			
B1.B.01.04	Inorganic and Analytical Chemistry				GPC-4.1., GPC-4.2.			
B1.B.01.05	Organic chemistry				GPC-4.1., GPC-4.2.			
B1.B.01.05	Jurisprudence			GPC- 3.1., GPC- 3.2.				
B1.B.01.07	Biology with the basics of ecology		GPC-2.1.				GPC- 6.1.	
B1.B.01.08	Veterinary genetics		GPC-2.1.			GPC-5.2., GPC-5.3.		
B1.B.01.09	Biological physics				GPC-4.1., GPC-4.2.			
B1.B.01.10	Computer science				GPC-4.1., GPC-4.2.	GPC-5.1.		GPC-7.1.
B1.B.01.11	Physical and colloidal chemistry				GPC-4.1., GPC-4.2.			
B1.B.01.12	Philosophy							
B1.B.01.13	Cytology, histology and embryology	GPC-1.1.			GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.			
B1.B.01.14	Life safety			GPC- 3.1., GPC- 3.2., GPC-3.3.			GPC- 6.1.	
B1.B.01.15	Biological chemistry				GPC-4.1., GPC-4.2.			
B1.B.01.16	Veterinary microbiology and mycology		GPC-2.1., GPC-2.2.		GPC-4.1., GPC- 4.2., GPC-4.3., GPC-4.4.		GPC- 6.1., GPC- 6.2.	
B1.B.01.17	Virology and Biotechnology		GPC-2.1., GPC-2.2.		GPC-4.1., GPC- 4.2., GPC-4.3., GPC-4.4.		GPC- 6.1., GPC- 6.2.	

B1.B.01.18	Physiology and ethology of animals	GPC-1.1., GPC-1.3., GPC-1.4.	GPC-2.1.		GPC-4.1., GPC-4.2.			
B1.B.01.19	Breeding with the basics of private zootechnics		GPC-2.1.	GPC- 3.3.	GPC-4.1., GPC- 4.2.	GPC-5.2., GPC-5.3.		
B1.B.01.20	Animal health and welfare		GPC-2.1., GPC-2.3.				GPC- 6.3.	
B1.B.01.21	Feeding animals with the basics of feed production		GPC-2.1., GPC-2.3.				GPC- 6.3.	
B1.B.01.22	pathological physiology	GPC-1.2.	GPC-2.1.		GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.			
B1.B.01.23	Veterinary pharmacology			GPC- 3.1., GPC- 3.2., GPC- 3.3.				
B1.B.01.24	Veterinary radiobiology		GPC-2.1., GPC-2.2., GPC-2.3.		GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.		GPC- 6.3.	
B1.B.01.25	Clinical diagnostics	GPC-1.3., GPC 1.4.			GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.	GPC-5.2., GPC-5.3.	GPC- 6.2.	
B1.B.01.26	pathological anatomy	GPC-1.2.	GPC-2.1.		GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.	GPC-5.2., GPC-5.3.	GPC- 6.2.	
B1.B.01.27	Operative surgery with topographic anatomy				GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.	GPC-5.2., GPC-5.3.		
B1.B.01.28	Instrumental diagnostic methods	GPC-1.3.	GPC-2.2.		GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.	GPC-5.2., GPC-5.3.	GPC- 6.2.	GPC-7.2., GPC-7.3., GPC-7.4.
B1.B.01.29	Toxicology		GPC-2.2., GPC-2.3.		GPC-4.1., GPC- 4.2., GPC-4.3., GPC-4.4.		GPC- 6.3.	
B1.B.01.30	Obstetrics, gynecology and andrology	GPC-1.1., GPC-1.2., GPC-1.3., GPC-1.4.	GPC-2.1., GPC-2.2., GPC-2.3.		GPC-4.1., GPC- 4.2., GPC-4.3., GPC-4.4.	GPC-5.2., GPC-5.3.	GPC- 6.1., GPC- 6.2.,	

		1	1		1	T	1
						GPC-	
						6.3.	
	Internal non-communicable					GPC-	
	diseases					6.1.,	
B1.B.01.31						GPC-	
D1.D.01.31				GPC-4.1., GPC-		6.2.,	
		GPC-2.2.,		4.2., GPC-4.3.,		GPC-	
		GPC-2.3.		GPC-4.4.		6.3.	
	General surgery					GPC-	
						6.1.,	
B1.B.01.32						GPC-	
D1.D.01.32				GPC-4.1., GPC-		6.2.,	
		GPC-2.2.,		4.2., GPC-4.3.,		GPC-	
		GPC-2.3.		GPC-4.4.		6.3.	
	Private Veterinary Surgery					GPC-	
						6.1.,	
B1.B.01.33						GPC-	
D1.D.01.33				GPC-4.1., GPC-		6.2.,	
		GPC-2.2.,		4.2., GPC-4.3.,		GPC-	
		GPC-2.3.		GPC-4.4.		6.3.	
	Parasitology and invasive diseases					GPC- 6.1.,	
D1 D 01 24						GPC-	
B1.B.01.34				GPC-4.1., GPC-		6.2.,	
		GPC-2.2.,	GPC-	4.2., GPC-4.3.,	GPC-5.2.,	GPC-	
		GPC-2.3.	3.3.	GPC-4.4.	GPC-5.3.	6.3.	
	Epizootology and infectious					GPC-	
	diseases					6.1.,	
D1 D 01 25						GPC-	
B1.B.01.35				GPC-4.1., GPC-		6.2.,	
		GPC-2.2.,	GPC-	4.2., GPC-4.3.,	GPC-5.2.,	GPC-	
		GPC-2.3.	3.3.	GPC-4.4.	GPC-5.3.	6.3.	
	Veterinary and sanitary				GPC-5.1.,		
B1.B.01.36	examination				GPC-5.2.,		
					GPC-5.3.		
	Organization of veterinary		GPC-				GPC-7.1.,
	business		3.1.,				GPC-7.2.,
B1.B.01.37			GPC-		GPC-5.1.,		GPC-7.3.,
			3.2.,		GPC-5.2.,		GPC-7.4.,
			GPC-		GPC-5.3.		GPC-7.5.

				3.3.			
B1.B.01.38	Forensic veterinary examination and autopsy of animals		GPC-2.2.			GPC-5.2., GPC-5.3.	GPC- 6.1., GPC- 6.2., GPC- 6.3.
B1.B.01.39	Physical Culture		G1 C-2.2.			G1 C-3.3.	0.5.
B1.B.02	Variable component						
B1.B.02.01	Maths				GPC-4.1., GPC- 4.2.		
B1.B.02.02	Fundamentals of Rhetoric and Communication						
B1.B.02.03	Introduction to the specialty						
B1.B.02.04	Fundamentals of Economics and Management						
B1.B.02.05	Immunology	GPC-1.1., GPC-1.2.	GPC-2.2.		GPC-4.1., GPC-4.2.		
B1.B.02.06	General and veterinary ecology		GPC-2.1.				GPC- 6.3.
B1.B.02.07	Veterinary sanitation		GPC-2.1., GPC-2.3.	GPC- 3.3.	GPC-4.3., GPC-4.4.		
B1.B.02.08	Technology for processing livestock products			GPC- 3.3.	GPC-4.3., GPC- 4.4.		
B1.B.02.09	Veterinary deontology					GPC-5.1.	
B1.B.02.10	Economics and organization of agricultural production			GPC- 3.1., GPC- 3.2., GPC- 3.3.		GPC-5.1., GPC-5.2., GPC-5.3.	
B1.B.03	Course work						
B1.B.03.01	Animal welfare	GPC-1.1.					
B1.B.ED.01	Foreign language						
B1.B.ED.01.01	Foreign language						
B1.B.ED.01.02	Russian as a foreign language)						
B1.E.ED.01	Elective disciplines (modules) 1 (ED.1)						

B1.E.ED.01.01	Interdisciplinary module							
B1.E.ED.02	Applied physical culture							
B1.E.ED.02.01	Applied physical culture							
B1.E.ED.03	Elective disciplines (modules) 3 (ED.3)							
B1.E.ED.03.01	Medicinal and poisonous plants				GPC-4.1., GPC-4.2.		GPC- 6.3.	
B1.E.ED.03.02	Fodder plants		GPC-2.1.		GPC-4.1., GPC-4.2.		GPC- 6.3.	
B1.E.ED.03.03	Basics of professional ethics					GPC-5.1.		
B1.E.ED.04	Elective disciplines (modules) 4 (ED.4)							
B1.E.ED.04.01	Zoopsychology		GPC-2.2., GPC-2.3.					
B1.E.ED.04.02	Animal health		GPC-2.1., GPC-2.3.				GPC- 6.3.	
B1.E.ED.04.03	Psychology of personality and professional self-determination							
B1.E.ED.05	Elective disciplines (modules) 5 (ED.5)							
B1.E.ED.05.01	Clinical laboratory diagnostics	GPC-1.3., GPC-1.4.			GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.	GPC-5.2., GPC-5.3.	GPC- 6.2.	GPC-7.2., GPC-7.3., GPC-7.4.
B1.E.ED.05.02	Laboratory diagnostics of infectious and parasitic diseases	GPC-1.3., GPC-1.4.		GPC- 3.3.	GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.	GPC-5.2., GPC-5.3.	GPC- 6.2.	GPC-7.2., GPC-7.3., GPC-7.4.
B1.E.ED.06	Elective disciplines (modules) 6 (ED.6)							
B1.E.ED.06.01	Organization of state veterinary supervision			GPC- 3.1., GPC- 3.2., GPC- 3.3.		GPC-5.1., GPC-5.2., GPC-5.3.		
B1.E.ED.06.02	Veterinary and manufacturing laboratories with design basics	GPC-1.4.		GPC- 3.3.		GPC-5.1., GPC-5.2., GPC-5.3.		GPC-7.2., GPC-7.3., GPC-7.4.

B1.E.ED.07	Elective disciplines (modules) 7 (ED.7)							
B1.E.ED.07.01	Biometrics in veterinary medicine	GPC-1.3.			GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.	GPC-5.1.		GPC-7.1.
B1.E.ED.07.02	Career Management							
B1.E.ED.07.03	Fundamentals of social and legal knowledge			GPC- 3.1., GPC- 3.2., GPC- 3.3.				
B1.E.ED.07.04	Space technologies in the service of the agro-industrial complex				GPC-4.3., GPC-4.4.		GPC- 6.3.	GPC-7.5.
B1.E.ED.08	Elective disciplines (modules) 8 (ED.8)							
B1.E.ED.08.01	Equine diseases		GPC-2.1., GPC-2.2.		GPC-4.1., GPC- 4.2., GPC-4.3., GPC-4.4.		GPC- 6.1., GPC- 6.2., GPC- 6.3.	
B1.E.ED.08.02	Diseases of food producing animals			GPC- 2.1., GPC- 2.2., GPC-2.3	GPC-4.1., GPC- 4.2., GPC-4.3., GPC-4.4.		GPC- 6.1., GPC- 6.2., GPC- 6.3.	
B1.E.ED.08.03	Communication workshop							
B1.E.ED.09	Elective disciplines (modules) 9 (ED.9)							
B1.E.ED.09.01	Diseases of small animals		GPC-2.1., GPC-2.2., GPC-2.3.		GPC-4.1., GPC- 4.2., GPC-4.3., GPC-4.4.		GPC- 6.1., GPC- 6.2., GPC- 6.3.	
B1.E.ED.09.02	Diseases of small pets		GPC-2.1.,		GPC-4.1., GPC-		GPC-	

			GPC-2.2.,	4.2., GPC-4.3.,		6.1.,	
			GPC-2.3.	GPC-4.4.		GPC-	
						6.2.,	
						GPC-	
	D: 01 1					6.3.	
	Diseases of bees and					GPC- 6.1.,	
	entomophages					GPC-	
B1.E.ED.09.03		GPC-1.1.,	GPC-2.1.,	GPC-4.1., GPC-		6.2.,	
		GPC-1.2.,	GPC-2.2.,	4.2., GPC-4.3.,		GPC-	
		GPC-1.4.	GPC-2.3.	GPC-4.4.		6.3.	
	Fish pathology and		-			GPC-	
	aquaculture					6.1.,	
B1.E.ED.09.04						GPC-	
D1.E.ED.03.04		GPC-1.1.,	GPC-2.1.,	GPC-4.1., GPC-		6.2.,	
		GPC-1.2.,	GPC-2.2.,	4.2., GPC-4.3.,		GPC-	
		GPC-1.4.	GPC-2.3.	GPC-4.4.		6.3.	
	Diseases of exotic animals					GPC-	
						6.1.,	
B1.E.ED.09.05			CDC 2.1	CDC 4.1 CDC		GPC-	
			GPC-2.1., GPC-2.2.,	GPC-4.1., GPC-4.2., GPC-4.3.,		6.2., GPC-	
			GPC-2.2., GPC-2.3.	GPC-4.4.		6.3.	
D1 E ED 10	Elective disciplines		01 0 2.51	ore iiii		0.5.	
B1.E.ED.10	(modules) 10 (EC.10)						
	Anesthesiology, resuscitation					GPC-	
	and intensive care					6.1.,	
B1.E.ED.10.01		GPC-1.1.,				GPC-	
D1.L.LD.10.01		GPC-1.2.,	GPC-2.1.,	GPC-4.1., GPC-	GPC-5.1.,	6.2.,	GPC-7.2.,
		GPC-1.3.,	GPC-2.2.,	4.2., GPC-4.3.,	GPC-5.2.,	GPC-	GPC-7.3.,
	D 1	GPC-1.4.	GPC-2.3.	GPC-4.4.	GPC-5.3.	6.3.	GPC-7.4.
D1 E ED 10 02	Dermatology		GPC-2.1.,	GPC-4.1., GPC-	GPC-5.1.,		GPC-7.2.,
B1.E.ED.10.02			GPC-2.2., GPC-2.3.	4.2., GPC-4.3., GPC-4.4.	GPC-5.2., GPC-5.3.		GPC-7.3., GPC-7.4.
	Cardiology		GPC-2.3.	GPC-4.1., GPC-	GPC-5.1.,		GPC-7.4.
B1.E.ED.10.03	Cardiology		GPC-2.1., GPC-2.2.,	4.2., GPC-4.3.,	GPC-5.1., GPC-5.2.,		GPC-7.2., GPC-7.3.,
D1.D.D.10.03			GPC-2.3.	GPC-4.4.	GPC-5.3.		GPC-7.4.
	Endocrinology		GPC-2.1.,	GPC-4.1., GPC-	GPC-5.1.,		GPC-7.2.,
B1.E.ED.10.04			GPC-2.2.,	4.2., GPC-4.3.,	GPC-5.2.,		GPC-7.3.,
			GPC-2.3.	GPC-4.4.	GPC-5.3.		GPC-7.4.

	Nephrology	GPC-2.1.,	GPC-4.1., GPC-	GPC-5.1.,		GPC-7.2.,
B1.E.ED.10.05	repinology	GPC-2.2.,	4.2., GPC-4.3.,	GPC-5.2.,		GPC-7.3.,
BILLEBITOROS		GPC-2.3.	GPC-4.4.	GPC-5.3.		GPC-7.4.
B1.E.ED.11	Elective disciplines					-
	(modules) 11 (ED.11)					
	Reconstructive and		GPC-4.1., GPC-			GPC-7.2.,
B1.E.ED.11.01	restorative surgery		4.2., GPC-4.3.,			GPC-7.3.,
			GPC-4.4.			GPC-7.4.
	Veterinary ophthalmology				GPC-	
					6.1.,	
B1.E.ED.11.02		CDC 2.1	CDC 4.1 CDC		GPC-	
		GPC-2.1., GPC-2.2.,	GPC-4.1., GPC-4.2., GPC-4.3.,		6.2., GPC-	
		GPC-2.2., GPC-2.3.	4.2., GPC-4.3., GPC-4.4.		6.3.	
	Animal Dentistry	GPC-2.3.	GPC-4.4.		GPC-	
	Allimai Dentisti y				6.1.,	
					GPC-	
B1.E.ED.11.03		GPC-2.1.,	GPC-4.1., GPC-		6.2.,	
		GPC-2.2.,	4.2., GPC-4.3.,		GPC-	
		GPC-2.3.	GPC-4.4.		6.3.	
B1.E.ED.12	Foreign language for					
D1.E.ED112	special purposes					
B1.E.ED.12.01	Foreign language for special					
	purposes					
B1.E.ED.12.02	Russian language for special					
B1.E.ED.13	purposes Foreign language.					
B1.E.ED.13	Translation of special texts					
	Foreign language.					
B1.E.ED.13.01	Translation of special texts					
	Russian language.					
B1.E.ED.13.02	Translation of special texts					
D1 E ED 14	Foreign language.					
B1.E.ED.14	Professional					
	communications					
B1.E.ED.14.01	Foreign language.					
D1.D.D.14.01	Professional communications					
B1.E.ED.14.02	Russian language.					
_ 1.2.23111102	Professional communications					

BLOCK 2.	Practice							
B2.B.01	Base component							
B2.B.01.01(Y)	Educational practice	GPC-1.1., GPC 1.3., GPC 1.4.	GPC-2.1., GPC-2.3.	GPC- 3.1., GPC- 3.2., GPC-3.3.	GPC-4.1., GPC- 4.2., GPC-4.3., GPC-4.4.	GPC-5.2., GPC-5.3.	GPC- 6.1., GPC- 6.2., GPC- 6.3.	
B2.B.02.01(P)	General professional practice	GPC-1.1., GPC-1.2., GPC-1.3., GPC-1.4.	GPC-2.1., GPC-2.2., GPC-2.3.	GPC- 3.1., GPC- 3.2., GPC-3.3.	GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.	GPC-5.1., GPC-5.2., GPC-5.3.	GPC- 6.1., GPC- 6.2., GPC- 6.3.	GPC-7.1., GPC-7.2., GPC-7.3., GPC-7.4., GPC-7.5.
B2.E.ED.01	Elective practices (modules) 1 (ED.1)							
B2.E.ED.01.01(P	Medical and industrial practice	GPC-1.1., GPC-1.2., GPC-1.3., GPC-1.4.	GPC-2.1., GPC-2.2., GPC-2.3.	GPC- 3.1., GPC- 3.2., GPC-3.3.	GPC-4.1., GPC- 4.2., GPC-4.3., GPC-4.4.	GPC-5.1., GPC-5.2., GPC-5.3.	GPC- 6.1., GPC- 6.2., GPC- 6.3.	GPC-7.1., GPC-7.2., GPC-7.3., GPC-7.4., GPC-7.5.
B2.E.ED.01.02(P	Academic research practice with the preparation of a scientific qualification project							
BLOCK 3	State final certification							
B3.B.01	Preparation for passing and passing the state exam	GPC-1.1., GPC-1.2., GPC-1.3., GPC-1.4.	GPC-2.1., GPC-2.2., GPC-2.3.	GPC- 3.1., GPC- 3.2., GPC-3.3.	GPC-4.1., GPC-4.2., GPC-4.3., GPC-4.4.	GPC-5.1., GPC-5.2., GPC-5.3.	GPC- 6.1., GPC- 6.2., GPC- 6.3.	GPC-7.1., GPC-7.2., GPC-7.3., GPC-7.4., GPC-7.5.
OC.	Optional course							
OC.E.01	Russian language							

		PR	OFESSIONA	L COMPE	TENCIES		
Code	Name of disciplines/modules that form students' competencies	PC-1 Ability to collect an anamnesis of life and illness of animals to identify the causes of diseases and their nature	PC-2 The ability to conduct a general clinical study of animals in order to establish a preliminary diagnosis and determine a further research program, as well as in accordance with the plan of anti-epizootic measures, the plan for the prevention of non-communicable animal diseases	PC-3 Ability to develop animal research programs using special (instrumental) and laboratory methods	PC-4. The ability to conduct clinical studies of animals using special (instrumental) and laboratory methods to clarify the diagnosis	PC-5. The ability to make a diagnosis based on the analysis of anamnesis data, general, special (instrumental) and laboratory research methods	PC-6 Ability to develop an animal treatment plan based on the established diagnosis and individual characteristics of animals
Block 1.	Disciplines (modules)						
B1.B	Mandatory part						
B1.B.01	Basic component						
B1.B.01.01	Animal anatomy		PC-2.1.	PC-3.1.	PC-4.2.		
B1.B.01.02	History						
B1.B.01.03	Latin language						
B1.B.01.04	Inorganic and Analytical Chemistry						

B1.B.01.05	Organic chemistry					
B1.B.01.05	Jurisprudence					
B1.B.01.07	Biology with the basics of ecology					
B1.B.01.08	Veterinary genetics	PC-1.1.				
B1.B.01.09	Biological physics					
B1.B.01.10	Computer science					
B1.B.01.11	Physical and colloidal chemistry					
B1.B.01.12	Philosophy					
B1.B.01.13	Cytology, histology and embryology				PC-4.1.	
B1.B.01.14	Life safety					
B1.B.01.15	Biological chemistry					
B1.B.01.16	Veterinary microbiology and mycology				PC-4.1.	PC-6.1.
B1.B.01.17	Virology and Biotechnology				PC-4.1.	PC-6.1.
B1.B.01.18		PC-1.1.	PC-2.1.	PC-3.1.	PC-4.1.	
B1.B.01.19		PC-1.1.				
B1.B.01.20	Animal health and welfare	PC-1.1.				
B1.B.01.21		PC-1.1.				
B1.B.01.22	pathological physiology		PC-2.1.	PC-3.1.	PC-4.1.	PC-6.2.
B1.B.01.23	Veterinary pharmacology					PC-6.1., PC- 6.2., PC-6.3.
B1.B.01.24	Veterinary radiobiology					

B1.B.01.25	Clinical diagnostics	PC-1.1., PC-1.2.,		PC-3.1., PC-	PC-4.1., PC-		
B1.B.01.23		PC-1.3.	PC-2.1., PC-2.2.	3.2.	4.2.		
B1.B.01.26	pathological anatomy		PC-2.1.	PC-3.1.	PC-4.1.		
B1.B.01.27	Operative surgery with topographic anatomy						
B1.B.01.28	Instrumental diagnostic methods			PC-3.1., PC-3.2. PC-3.1., PC-3.2.	PC-4.2.		
B1.B.01.29	Toxicology	PC-1.1., PC-1.2., PC-1.3.		PC-3.1., PC- 3.2.			PC-6.1.
B1.B.01.30		PC-1.1., PC-1.2., PC-1.3.	PC-2.1., PC-2.2.	PC-3.1., PC- 3.2.	PC-4.1., PC- 4.2.	PC-5.1., PC- 5.2.	PC-6.1., PC-6.2., PC-6.3.
B1.B.01.31	Internal non-communicable	PC-1.1., PC-1.2., PC-1.3.		PC-3.1., PC- 3.2.	PC-4.1., PC- 4.2.	PC-5.1., PC- 5.2.	PC-6.1., PC-6.2., PC-6.3.
B1.B.01.32	General surgery	PC-1.1., PC-1.2., PC-1.3.		PC-3.1., PC- 3.2.	PC-4.1., PC- 4.2.	PC-5.1., PC- 5.2.	PC-6.1., PC-6.2., PC-6.3.
B1.B.01.33	Private Veterinary Surgery	PC-1.1., PC-1.2., PC-1.3.		PC-3.1., PC- 3.2.	PC-4.1., PC- 4.2.	PC-5.1., PC- 5.2.	PC-6.1., PC-6.2., PC-6.3.
B1.B.01.34	Parasitology and invasive diseases	PC-1.1., PC-1.2., PC-1.3.		PC-3.1., PC- 3.2.	PC-4.1., PC- 4.2.	PC-5.1., PC- 5.2.	PC-6.1., PC-6.2., PC-6.3.
B1.B.01.35	Epizootology and infectious diseases	PC-1.1., PC-1.2., PC-1.3.		PC-3.1., PC- 3.2.	PC-4.1., PC- 4.2.	PC-5.1., PC- 5.2.	PC-6.1., PC-6.2., PC-6.3.
B1.B.01.36	Veterinary and sanitary examination						
B1.B.01.37	Organization of veterinary business						
B1.B.01.38	Forensic veterinary examination and autopsy of animals					PC-5.1., PC- 5.2.	
B1.B.01.39	Physical Culture						
B1.B.02	Variable component						
B1.B.02.01	Maths						
B1.B.02.02	Fundamentals of Rhetoric and Communication	PC-1.1., PC-1.2.					
B1.B.02.03	Introduction to the specialty						
B1.B.02.04	Fundamentals of Economics and Management						
B1.B.02.05	Immunology			PC-3.1., PC- 3.2.			

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B1.B.02.06	General and veterinary ecology				
B1.B.02.07	Veterinary sanitation				
B1.B.02.08	Technology for processing livestock products				
B1.B.02.09	Veterinary deontology		PC-3.1., PC- 3.2.		
B1.B.02.10	Economics and organization of agricultural production				
B1.B.03	Course work				
B1.B.03.01	Animal welfare				
B1.B.ED.01	Foreign language				
B1.B.ED.01.01	Foreign language				
B1.B.ED.01.02	Russian as a foreign language)				
B1.E.ED.01	Elective disciplines (modules) 1 (ED.1)				
B1.E.ED.01.01	Interdisciplinary module				
B1.E.ED.02	Applied physical culture				
B1.E.ED.02.01	Applied physical culture				
B1.E.ED.03	Elective disciplines (modules) 3 (ED.3)				
B1.E.ED.03.01	Medicinal and poisonous plants				
B1.E.ED.03.02					
B1.E.ED.03.03	Basics of professional ethics	PC-1.1., PC-1.2.			
	Elective disciplines (modules) 4 (ED.4)	,			
B1.E.ED.04.01	Zoopsychology	PC-1.1.			PC-6.2.
B1.E.ED.04.02		PC-1.1.			
B1.E.ED.04.03	Psychology of personality and professional self-determination				
B1.E.ED.05	Elective disciplines (modules) 5 (ED.5)				
B1.E.ED.05.01	Clinical laboratory diagnostics		PC-3.1., PC- 3.2.	PC-4.1.	
B1.E.ED.05.02	Laboratory diagnostics of infectious and parasitic diseases		PC-3.1., PC- 3.2.	PC-4.1.	
B1.E.ED.06	Elective disciplines (modules) 6 (ED.6)				
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B1.E.ED.06.01	Organization of state veterinary						
D4 F F D 0 6 0 2	supervision						
	Veterinary and manufacturing						
	laboratories with design basics						
B1.E.ED.07	Elective disciplines (modules) 7						
	(ED.7)						
B1.E.ED.07.01	Biometrics in veterinary medicine						
B1.E.ED.07.02	Career Management						
B1.E.ED.07.03	Fundamentals of social and legal						
B1.E.ED.07.03	knowledge						
B1.E.ED.07.04	Space technologies in the service						
D1.E.ED.07.04	of the agro-industrial complex						
B1.E.ED.08	Elective disciplines (modules) 8						
	(ED.8)						
B1.E.ED.08.01	Equine diseases			PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	
B1.E.ED.08.01				3.2.	4.2.	5.2.	PC-6.1.
B1.E.ED.08.02	Diseases of food producing			PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	PC-6.1., PC-
B1.E.ED.08.02	animals			3.2.	4.2.	5.2.	6.2., PC-6.3.
B1.E.ED.08.03	Communication workshop						
B1.E.ED.09	Elective disciplines (modules) 9						
	(ED.9)						
D1 E ED 00 01	Diseases of small animals			PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	PC-6.1., PC-
B1.E.ED.09.01				3.2.	4.2.	5.2.	6.2., PC-6.3.
B1.E.ED.09.02	Diseases of small pets			PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	PC-6.1., PC-
D1.E.ED.09.02	_			3.2.	4.2.	5.2.	6.2., PC-6.3.
B1.E.ED.09.03	Diseases of bees and			PC-3.1., PC-		PC-5.1., PC-	
B1.E.ED.09.03	entomophages		PC-2.1., PC-2.2.	3.2.		5.2.	PC-6.1.
B1.E.ED.09.04	Fish pathology and aquaculture			PC-3.1., PC-		PC-5.1., PC-	
B1.E.ED.09.04			PC-2.1., PC-2.2.	3.2.		5.2.	PC-6.1.
B1.E.ED.09.05	Diseases of exotic animals			PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	PC-6.1., PC-
B1.E.ED.09.03				3.2.	4.2.	5.2.	6.2., PC-6.3.
B1.E.ED.10	Elective disciplines (modules) 10						
D1.E.ED.10	(EC.10)						
B1.E.ED.10.01	Anesthesiology, resuscitation and			PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	
	intensive care		PC-2.1., PC-2.2.		4.2.	5.2.	PC-6.1.
B1.E.ED.10.02	Dermatology	PC-1.1., PC-1.2.,		PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	
		PC-1.3.		3.2.	4.2.	5.2.	PC-6.1.
B1.E.ED.10.03	Cardiology	PC-1.1., PC-1.2.,		PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	PC-6.1.

		PC-1.3.		3.2.	4.2.	5.2.	
B1.E.ED.10.04	Endocrinology	PC-1.1., PC-1.2.,		PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	
		PC-1.3.		3.2.	4.2.	5.2.	PC-6.1.
B1.E.ED.10.05	Nephrology	PC-1.1., PC-1.2.,		PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	
D1.E.ED.10.03		PC-1.3.		3.2.	4.2.	5.2.	PC-6.1.
B1.E.ED.11	Elective disciplines (modules) 11						
	(ED.11)						
B1.E.ED.11.01	Reconstructive and restorative			PC-3.1., PC-		PC-5.1., PC-	
B1.L.LD.11.01	surgery			3.2.		5.2.	PC-6.1.
B1.E.ED.11.02	Veterinary ophthalmology			PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	
				3.2.	4.2.	5.2.	PC-6.1.
B1.E.ED.11.03	Animal Dentistry			PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	DG (1
				3.2.	4.2.	5.2.	PC-6.1.
B1.E.ED.12	Foreign language for special						
	purposes Foreign language for special						
B1.E.ED.12.01	purposes						
	Russian language for special						
B1.E.ED.12.02	purposes						
B1.E.ED.13	Foreign language. Translation of						
B1.E.EB1.13	special texts						
D1 E ED 12 01	Foreign language. Translation of						
B1.E.ED.13.01	special texts						
B1.E.ED.13.02	Russian language. Translation of						
D1.E.ED.13.02	special texts						
B1.E.ED.14	Foreign language. Professional						
	communications						
B1.E.ED.14.01	Foreign language. Professional						
B1.E.EB.1 1.01	communications						
B1.E.ED.14.02	Russian language. Professional						
	communications						
BLOCK 2.	Practice						
B2.B.01	Base component						
В2.В.01.01(У)	<u> </u>	PC-1.1., PC-1.2.,	DC 0.1 DC 0.2	PC-3.1., PC-	PC-4.1., PC-		PC-6.1., PC-
= :: :: (•)			PC-2.1., PC-2.2.		4.2.	DC 51 DC	6.2., PC-6.3.
B2.B.02.01(P)	1 1	PC-1.1., PC-1.2.,	DC 2.1 DC 2.2	PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	PC-6.1., PC-
. ,		PC-1.3.	PC-2.1., PC-2.2.	3.2.	4.2.	5.2.	6.2., PC-6.3.
B2.E.ED.01	Elective practices (modules) 1						

	(ED.1)						
B2.E.ED.01.01	Medical and industrial practice	PC-1.1., PC-1.2.,		PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	PC-6.1., PC-
(P)		PC-1.3.	PC-2.1., PC-2.2.	3.2.	4.2.	5.2.	6.2., PC-6.3.
	Academic research practice with						
		PC-1.1., PC-1.2.,		PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	PC-6.1., PC-
	qualification project	PC-1.3.	PC-2.1., PC-2.2.	3.2.	4.2.	5.2.	6.2., PC-6.3.
BLOCK 3	State final certification						
B3.B.01	Preparation for passing and	PC-1.1., PC-1.2.,		PC-3.1., PC-	PC-4.1., PC-	PC-5.1., PC-	PC-6.1., PC-
	passing the state exam	PC-1.3.	PC-2.1., PC-2.2.	3.2.	4.2.	5.2.	6.2., PC-6.3.
OC.	Optional course						
OC.E.01	Russian language						

		PRO	FESSION	AL COMP	ETENCIES		
Code	Name of disciplines/modules that form students' competencies	PC-7 The ability to select the necessary drugs of a chemical and biological nature for the treatment of animals, taking into account their cumulative pharmacological effect on the body	PC-8 Ability to choose methods of non-drug therapy, including physiotherapy methods for the treatment of animals	PC-9 Ability to conduct medical, including physiotherapy procedures using special equipment in compliance with safety rules	PC-10 The ability to determine the need for the use of surgical methods in the treatment of animals	PC-11 Ability to develop a plan for a surgical operation, including the choice of anesthesia method	PC-12 The ability to conduct surgical intervention in the body of animals in the treatment of various diseases, castration, sterilization, for cosmetic purposes
Block 1.	Disciplines (modules)						
B1.B	Mandatory part						
B1.B.01	Basic component						
B1.B.01.01	Animal anatomy			PC-9.2.			
B1.B.01.02	History						
B1.B.01.03	Latin language						
B1.B.01.04	Inorganic and Analytical Chemistry	PC-7.1.					
B1.B.01.05	Organic chemistry	PC-7.1.					
B1.B.01.05	Jurisprudence						
B1.B.01.07	Biology with the basics of ecology						
B1.B.01.08	Veterinary genetics				PC-10.1.		
B1.B.01.09	Biological physics		PC-8.1.	PC-9.1.			

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B1.B.01.10	Computer science						
B1.B.01.11	Physical and colloidal chemistry	PC-7.1.					
B1.B.01.12	Philosophy						
B1.B.01.13	Cytology, histology and embryology				PC-10.1.		
B1.B.01.14	Life safety			PC-9.1.			
B1.B.01.15	Biological chemistry	PC-7.1.					
B1.B.01.16	Veterinary microbiology and mycology				PC-10.1.		
B1.B.01.17	Virology and Biotechnology						
B1.B.01.18	Physiology and ethology of animals		PC-8.1.				
B1.B.01.19	Breeding with the basics of private zootechnics						
B1.B.01.20	Animal health and welfare						
B1.B.01.21	Feeding animals with the basics of feed production		PC-8.1.				
B1.B.01.22	pathological physiology	PC-7.1.	PC-8.2.		PC-10.2.		
B1.B.01.23	Veterinary pharmacology	PC-7.1., PC- 7.4.				PC-11.2.	
B1.B.01.24	Veterinary radiobiology		PC-8.1.				
B1.B.01.25	Clinical diagnostics				PC-10.2.		
B1.B.01.26	pathological anatomy				PC-10.2.		
B1.B.01.27	Operative surgery with topographic anatomy					PC-11.1., PC-11.2.	PC-12.1., PC- 12.2., PC-12.3., PC-12.4., PC- 12.5., PC-12.6.
B1.B.01.28	Instrumental diagnostic methods						
B1.B.01.29	Toxicology	PC-7.1., PC- 7.4.					
B1.B.01.30		PC-7.1., PC-7.2., PC-7.3., PC-7.5.			PC-10.1., PC-10.2., PC-10.3.	PC-11.1.	PC-12.5., PC- 12.6.
B1.B.01.31	Internal non-communicable diseases	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC- 8.2.				

	General surgery	PC-7.1., PC-					
B1.B.01.32	Seneral surgery	7.2., PC-7.3.,	PC-8.1., PC-	PC-9.1 PC-	PC-10.1., PC-		
		PC-7.5.	8.2.	9.2.	10.2., PC-10.3.	PC-11.1.	
	Private Veterinary Surgery	PC-7.1., PC-			,		
B1.B.01.33	, ,	7.2., PC-7.3.,	PC-8.1., PC-	PC-9.1., PC-	PC-10.1., PC-		
		PC-7.5.	8.2.	9.2.	10.2., PC-10.3.	PC-11.1.	
	Parasitology and invasive diseases	PC-7.1., PC-					
B1.B.01.34		7.2., PC-7.3.,					
		PC-7.5.					
D.1 D.01.04	Epizootology and infectious diseases	PC-7.1., PC-					
B1.B.01.35		7.2., PC-7.3.,					
D1 D 01 26	V7-4	PC-7.5.					
B1.B.01.36	Veterinary and sanitary examination						
B1.B.01.37	Organization of veterinary business						
B1.B.01.38	Forensic veterinary examination and autopsy of animals						
B1.B.01.39	Physical Culture						
B1.B.02	Variable component						
B1.B.02.01	Maths						
D1 D 02 02	Fundamentals of Rhetoric and						
B1.B.02.02	Communication						
B1.B.02.03	Introduction to the specialty						
B1.B.02.04	Fundamentals of Economics and Management						
B1.B.02.05	Immunology						
B1.B.02.06	General and veterinary ecology						
B1.B.02.07	Veterinary sanitation						
B1.B.02.08	Technology for processing livestock						
	products						
B1.B.02.09	Veterinary deontology						
B1.B.02.10	Economics and organization of						
	agricultural production						
B1.B.03	Course work						
B1.B.03.01	Animal welfare						
B1.B.ED.01	Foreign language						
	Foreign language						
B1.B.ED.01.02	Russian as a foreign language)						

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B1.E.ED.01	Elective disciplines (modules) 1					
	(ED.1)					
	Interdisciplinary module					
	Applied physical culture					
	Applied physical culture					
B1.E.ED.03	Elective disciplines (modules) 3 (ED.3)					
B1.E.ED.03.01	•	PC-7.1., PC- 7.4.				
B1.E.ED.03.02	Fodder plants					
B1.E.ED.03.03	Basics of professional ethics					
B1.E.ED.04	Elective disciplines (modules) 4 (ED.4)					
B1.E.ED.04.01	Zoopsychology					
B1.E.ED.04.02	Animal health					
	Psychology of personality and professional self-determination					
B1.E.ED.05	Elective disciplines (modules) 5 (ED.5)					
B1.E.ED.05.01	Clinical laboratory diagnostics					
	Laboratory diagnostics of infectious and parasitic diseases					
B1.E.ED.06	Elective disciplines (modules) 6 (ED.6)					
D1.E.ED.00.01	Organization of state veterinary supervision					
	Veterinary and manufacturing laboratories with design basics					
	Elective disciplines (modules) 7 (ED.7)					
B1.E.ED.07.01	Biometrics in veterinary medicine					
B1.E.ED.07.02	Career Management					
B1.E.ED.07.03	Fundamentals of social and legal knowledge					
D1 E ED 07 04	Space technologies in the service of the agro-industrial complex					
B1.E.ED.08	Elective disciplines (modules) 8					

	(ED.8)						
B1.E.ED.08.01	Equine diseases	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC- 8.2.	PC-9.1., PC- 9.2.	PC-10.1., PC- 10.2., PC-10.3.		
B1.E.ED.08.02	Diseases of food producing animals	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC- 8.2.	PC-9.1., PC- 9.2.	PC-10.1., PC- 10.2., PC-10.3.		
B1.E.ED.08.03	Communication workshop						
B1.E.ED.09	Elective disciplines (modules) 9 (ED.9)						
B1.E.ED.09.01	Diseases of small animals	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC- 8.2.	PC-9.1., PC- 9.2.	PC-10.1., PC- 10.2., PC-10.3.		
B1.E.ED.09.02	Diseases of small pets	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC-8.2.	PC-9.1., PC- 9.2.	PC-10.1., PC- 10.2., PC-10.3.		
B1.E.ED.09.03	Diseases of bees and entomophages	PC-7.1., PC-7.2., PC-7.3., PC-7.5.					
B1.E.ED.09.04	Fish pathology and aquaculture	PC-7.1., PC-7.2., PC-7.3., PC-7.5.					
B1.E.ED.09.05	Diseases of exotic animals	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC- 8.2.	PC-9.1., PC- 9.2.	PC-10.1., PC- 10.2., PC-10.3.		
B1.E.ED.10	Elective disciplines (modules) 10 (EC.10)				,		
B1.E.ED.10.01	Anesthesiology, resuscitation and intensive care	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC- 8.2.	PC-9.1., PC- 9.2.		PC-11.2	
B1.E.ED.10.02	Dermatology	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC- 8.2.	PC-9.1., PC- 9.2.	PC-10.1., PC- 10.2., PC-10.3.	PC-11.1.	
B1.E.ED.10.03	Cardiology	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC- 8.2.	PC-9.1., PC- 9.2.	PC-10.1., PC- 10.2., PC-10.3.	PC-11.1.	
B1.E.ED.10.04	Endocrinology	PC-7.1., PC-7.2., PC-7.3., PC-7.5.	PC-8.1., PC- 8.2.	PC-9.1., PC- 9.2.	PC-10.1., PC- 10.2., PC-10.3.		

	Nephrology	PC-7.1., PC-					
B1.E.ED.10.05		7.2., PC-7.3.,	PC-8.1., PC-	PC-9.1., PC-	PC-10.1., PC-		
		PC-7.5.	8.2.	9.2.	10.2., PC-10.3.	PC-11.1.	
B1.E.ED.11	Elective disciplines (modules) 11 (ED.11)						
D1 E ED 11 01	Reconstructive and restorative surgery		PC-8.1., PC-	PC-9.1., PC-	PC-10.1., PC-		PC-12.5., PC-
B1.E.ED.11.01				9.2.	10.2., PC-10.3.	PC-11.1.	12.6.
	Veterinary ophthalmology	PC-7.1., PC-					
B1.E.ED.11.02		7.2., PC-7.3.,	PC-8.1., PC-		PC-10.1., PC-		
	I.	PC-7.5.	8.2.	9.2.	10.2., PC-10.3.		
	2	PC-7.1., PC-					
B1.E.ED.11.03		7.2., PC-7.3.,	PC-8.1., PC-		PC-10.1., PC-		
		PC-7.5.	8.2.	9.2.	10.2., PC-10.3.		
B1.E.ED.12	Foreign language for special purposes						
	Foreign language for special purposes						
	Russian language for special purposes						
B1.E.ED.13	Foreign language. Translation of special texts						
B1.E.ED.13.01	Foreign language. Translation of special texts						
B1.E.ED.13.02	Russian language. Translation of special texts						
B1.E.ED.14	Foreign language. Professional communications						
B1.E.ED.14.01	Foreign language. Professional communications						
B1.E.ED.14.02	Russian language. Professional communications						
BLOCK 2.	Practice						
B2.B.01	Base component						
В2.В.01.01(У)	1	PC-7.1., PC- 7.4.		PC-9.2.	PC-10.2.		
	General professional practice						
							PC-12.1., PC-
B2.B.02.01(P)		PC-7.1., PC-		DG 0.1 - 5-5	DG 10 1 7 7	DG 11 1	12.2., PC-12.3.,
		7.2., PC-7.3.,	PC-8.1., PC-		PC-10.1., PC-		PC-12.4., PC-
D2 E E5 04		PC-7.5.	8.2.	9.2.	10.2., PC-10.3.	PC-11.2.	12.5., PC-12.6.
B2.E.ED.01	Elective practices (modules) 1 (ED.1)						

	Medical and industrial practice						PC-12.1., PC-
B2.E.ED.01.01	_	PC-7.1., PC-					12.2., PC-12.3.,
(P)		7.2., PC-7.3.,	PC-8.1., PC-	PC-9.1., PC-	PC-10.1., PC-	PC-11.1.,	PC-12.4., PC-
		PC-7.5.	8.2.	9.2.	10.2., PC-10.3.	PC-11.2.	12.5., PC-12.6.
B2 E ED 01 02	Academic research practice with the						PC-12.1., PC-
	preparation of a scientific qualification	PC-7.1., PC-					12.2., PC-12.3.,
(P)	project	7.2., PC-7.3.,	PC-8.1., PC-	PC-9.1., PC-	PC-10.1., PC-	PC-11.1.,	PC-12.4., PC-
		PC-7.5.	8.2.	9.2.	10.2., PC-10.3.	PC-11.2.	12.5., PC-12.6.
BLOCK 3	State final certification						
	Preparation for passing and passing the						PC-12.1., PC-
B3.B.01	state exam	PC-7.1., PC-					12.2., PC-12.3.,
		7.2., PC-7.3.,	PC-8.1., PC-	PC-9.1., PC-	PC-10.1., PC-	PC-11.1.,	PC-12.4., PC-
		PC-7.5.	8.2.	9.2.	10.2., PC-10.3.	PC-11.2.	12.5., PC-12.6.
OC.	Optional course						
OC.E.01	Russian language						

		PROFESSIONAL COMPETENCIES					
Code	Name of disciplines/modules that form students' competencies	PC-13 Ability to develop recommendations for special feeding of sick animals for therapeutic purposes	PC-14 The ability to conduct repeated examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment and adjust the treatment plan for animals (if necessary) based on the results of evaluating the effectiveness of treatment	PC-15 Ability to organize preventive immunizations (vaccinations), therapeutic and prophylactic treatment of animals in accordance with the plan of anti-epizootic measures	PC-16 Ability to organize organizational, technical, zootechnical and veterinary measures aimed at the prevention of noncommunicable diseases in accordance with the plan for the prevention of non-communicable animal diseases	PC-17 Ability to organize disinfection and disinfestation of livestock buildings to ensure veterinary and sanitary well-being in accordance with the plan of veterinary and sanitary measures	PC-18 The ability to draw up a plan for the medical examination of animals, taking into account their species and purpose, to conduct medical examinations, to develop recommendations for conducting preventive and therapeutic measures based on the results of examination of animals conducted as part of the medical examination
Block 1.	Disciplines (modules)						
B1.B	Mandatory part						
B1.B.01	Basic component						
B1.B.01.01	Animal anatomy						
B1.B.01.02	History						
B1.B.01.03	Latin language						
B1.B.01.04	Inorganic and Analytical Chemistry					PC-17.2.	

B1.B.01.05	Organic chemistry				PC-17.2.	
	·				FC-17.2.	
B1.B.01.05	Jurisprudence					
B1.B.01.07	Biology with the basics of ecology					
B1.B.01.08	Veterinary genetics					
B1.B.01.09	Biological physics					
B1.B.01.10	Computer science					
B1.B.01.11	Physical and colloidal chemistry				PC-17.2.	
B1.B.01.12	Philosophy					
B1.B.01.13	Cytology, histology and embryology	7				
B1.B.01.14	Life safety				PC-17.2.	
B1.B.01.15	Biological chemistry					
B1.B.01.16	Veterinary microbiology and mycology				PC-17.2.	
B1.B.01.17	Virology and Biotechnology				PC-17.2.	
B1.B.01.18	Physiology and ethology of animals			PC-16.1.		
B1.B.01.19	Breeding with the basics of private zootechnics					
B1.B.01.20	Animal health and welfare			PC-16.1.	PC-17.1., PC- 17.3.	
B1.B.01.21	Feeding animals with the basics of feed production	PC-13.3.		PC-16.2.		
B1.B.01.22	pathological physiology	PC-13.1.				
B1.B.01.23	Veterinary pharmacology				PC-17.2.	
B1.B.01.24	Veterinary radiobiology					
B1.B.01.25	Clinical diagnostics		PC-14.2.			PC-18.2.
B1.B.01.26	pathological anatomy					
B1.B.01.27	Operative surgery with topographic anatomy					
B1.B.01.28	Instrumental diagnostic methods		PC-14.3.			PC-18.2.
B1.B.01.29	Toxicology					
B1.B.01.30	Obstetrics, gynecology and		PC-14.1., PC-	PC-16.3., PC-		PC-18.1., PC-

	andrology		14.4.		16.4., PC-16.5.		18.2., PC-18.3.
B1.B.01.31	Internal non-communicable diseases	PC-13.1. PC-	PC-14.1., PC-		PC-16.3., PC-		PC-18.1., PC-
D1.D.01.31		13.2., PC-13.3.	14.4.		16.4., PC-16.5.		18.2., PC-18.3.
B1.B.01.32	General surgery	PC-13.1., PC-	PC-14.1., PC-				PC-18.1., PC-
D1.D.01.32		13.2.	14.4.		PC-16.5.		18.2., PC-18.3.
B1.B.01.33	Private Veterinary Surgery	PC-13.1., PC-	PC-14.1., PC-				PC-18.1., PC-
D1.D.01.33		13.2.	14.4.		PC-16.5.		18.2., PC-18.3.
B1.B.01.34	Parasitology and invasive diseases		PC-14.1., PC-	PC-15.1., PC-		PC-17.1., PC-	
D1.D.01.31			14.4.	15.2.		17.3.	
B1.B.01.35	Epizootology and infectious		PC-14.1., PC-	PC-15.1., PC-		PC-17.1., PC-	
	diseases		14.4.	15.2.		17.3.	
B1.B.01.36	Veterinary and sanitary examination						
B1.B.01.37	Organization of veterinary business				PC-16.3., PC-		
D1.D.01.37					16.4., PC-16.5.	,	
B1.B.01.38	Forensic veterinary examination and						
	autopsy of animals						
B1.B.01.39	Physical Culture						
B1.B.02	Variable component						
B1.B.02.01	Maths						
	Fundamentals of Rhetoric and						
B1.B.02.02	Communication						
B1.B.02.03	Introduction to the specialty						
	Fundamentals of Economics and						
B1.B.02.04	Management						
B1.B.02.05	Immunology						
B1.B.02.06	General and veterinary ecology						
D1.D.02.00	Veterinary sanitation					PC-17.1., PC-	
	Vetermary samitation					17.2., PC-	
B1.B.02.07				PC-15.1., PC-		17.2., PC-	
				15.2.		17.4.	
	Technology for processing livestock			10.2.		. / • 1•	
B1.B.02.08	products						
B1.B.02.09	Veterinary deontology						
	Economics and organization of						
B1.B.02.10	agricultural production						
B1.B.03	Course work						
B1.B.03.01	Animal welfare						

B1.B.ED.01	Foreign language				
B1.B.ED.01.01	Foreign language				
B1.B.ED.01.02	Russian as a foreign language)				
B1.E.ED.01	Elective disciplines (modules) 1 (ED.1)				
B1.E.ED.01.01	Interdisciplinary module				
B1.E.ED.02	Applied physical culture				
B1.E.ED.02.01	Applied physical culture				
B1.E.ED.03	Elective disciplines (modules) 3 (ED.3)				
	Medicinal and poisonous plants			PC-16.2.	
B1.E.ED.03.02		PC-13.3.		PC-16.2.	
B1.E.ED.03.03	Basics of professional ethics				
B1.E.ED.04	Elective disciplines (modules) 4 (ED.4)				
	Zoopsychology			PC-16.1.	
B1.E.ED.04.02	Animal health			PC-16.1.	
B1.E.ED.04.03	Psychology of personality and professional self-determination				
B1.E.ED.05	Elective disciplines (modules) 5 (ED.5)				
B1.E.ED.05.01	Clinical laboratory diagnostics		PC-14.3.		PC-18.2.
B1.E.ED.05.02	Laboratory diagnostics of infectious and parasitic diseases				
B1.E.ED.06	Elective disciplines (modules) 6 (ED.6)				
B1.E.ED.06.01	supervision				
B1.E.ED.06.02	Veterinary and manufacturing laboratories with design basics				
B1.E.ED.07	Elective disciplines (modules) 7 (ED.7)				
	Biometrics in veterinary medicine				
B1.E.ED.07.02	Career Management				
B1.E.ED.07.03	Fundamentals of social and legal knowledge				

	Space technologies in the service of	1		1	1	
B1.E.ED.07.04	the agro-industrial complex					
B1.E.ED.08	Elective disciplines (modules) 8 (ED.8)					
B1.E.ED.08.01	Equine diseases		PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.		PC-16.5.	PC-18.1., PC- 18.2., PC-18.3
B1.E.ED.08.02	Diseases of food producing animals		PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.		PC-16.5.	PC-18.1., PC- 18.2., PC-18.3.
B1.E.ED.08.03	Communication workshop					
B1.E.ED.09	Elective disciplines (modules) 9 (ED.9)					
B1.E.ED.09.01	Diseases of small animals		PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.		PC-16.5.	PC-18.1., PC- 18.2., PC-18.3.
B1.E.ED.09.02			PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.		PC-16.5.	PC-18.1., PC- 18.2., PC-18.3.
B1.E.ED.09.03	Diseases of bees and entomophages			PC-15.1., PC- 15.2.	PC-16.1., PC- 16.5.	
B1.E.ED.09.04	Fish pathology and aquaculture			PC-15.1., PC- 15.2.	PC-16.1., PC- 16.5.	
B1.E.ED.09.05	Diseases of exotic animals		PC-14.1., PC- 14.2.,		PC-16.5.	PC-18.1., PC- 18.2., PC-18.3.
B1.E.ED.10	Elective disciplines (modules) 10 (EC.10)		- 11219			
B1.E.ED.10.01	Anesthesiology, resuscitation and intensive care	PC-13.1., PC- 13.2.	PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.			
B1.E.ED.10.02	Dermatology	PC-13.1., PC- 13.2.	PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.			
B1.E.ED.10.03	Cardiology	PC-13.1., PC- 13.2.	PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.			
B1.E.ED.10.04	Endocrinology	PC-13.1., PC- 13.2.	PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.			

	Nephrology		PC-14.1., PC-			
B1.E.ED.10.05		PC-13.1., PC-	14.2., PC-			
		13.2.	14.3., PC-14.4.			
B1.E.ED.11	Elective disciplines (modules) 11 (ED.11)					
B1.E.ED.11.01	Reconstructive and restorative surgery		PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.			
B1.E.ED.11.02	Veterinary ophthalmology		PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.	PC-16.5.		
B1.E.ED.11.03	Animal Dentistry		PC-14.1., PC- 14.2., PC- 14.3., PC-14.4.	PC-16.5.		
B1.E.ED.12	Foreign language for special purposes					
B1.E.ED.12.01	Foreign language for special purposes					
B1.E.ED.12.02	Russian language for special purposes					
B1.E.ED.13	Foreign language. Translation of special texts					
B1.E.ED.13.01	Foreign language. Translation of special texts					
B1.E.ED.13.02	Russian language. Translation of special texts					
B1.E.ED.14	Foreign language. Professional communications					
B1.E.ED.14.01	Foreign language. Professional communications					
B1.E.ED.14.02	Russian language. Professional communications					
BLOCK 2.	Practice					
B2.B.01	Base component					
В2.В.01.01(У)	Educational practice		PC-14.2.	PC-16.1.	PC-17.1, PC- 17.2, PC- 17.3.	PC-18.2.
B2.B.02.01(P)	General professional practice	PC-13.1. PC- 13.2., PC-13.3.	PC-14.1., PC- 14.2., PC-	PC-16.1., PC- 16.2., PC-	PC-17.1., PC-	10.2.

			14.3., PC-14.4.		16.3., PC-	17.2., PC-	PC-18.1., PC-
					16.4., PC-16.5.	17.3., PC-	18.2., PC-18.3.
				15.2.		17.4.	
B2.E.ED.01	Elective practices (modules) 1						
	(ED.1)						
	Medical and industrial practice						
B2.E.ED.01.01	_				PC-16.1., PC-		
			PC-14.1., PC-			17.2., PC-	
(P)		PC-13.1. PC-	14.2., PC-	PC-15.1., PC-	16.3., PC-	17.3., PC-	PC-18.1., PC-
		13.2., PC-13.3.	14.3., PC-14.4.	15.2.	16.4., PC-16.5.	17.4.	18.2., PC-18.3.
D2 E ED 01 02	Academic research practice with the				DC 16.1 DC	DC 17.1 DC	
	preparation of a scientific		DC 14.1 DC		PC-16.1., PC-		
(P)	qualification project	DC 12.1 DC	PC-14.1., PC-	DC 15.1 DC		17.2., PC-	DC 10.1 DC
		PC-13.1. PC-	14.2., PC-	,			PC-18.1., PC-
		13.2., PC-13.3.	14.3., PC-14.4.	15.2.	16.4., PC-16.5.	17.4.	18.2., PC-18.3.
BLOCK 3	State final certification						
	Preparation for passing and passing						
	the state exam						
B3.B.01					DC 16.1 DC	DC 17.1 DC	
			DC 14.1 DC		PC-16.1., PC-		
		DG 12 1 DG	PC-14.1., PC-	DG 454 DG	· ·	17.2., PC-	DC 101 DC
		PC-13.1. PC-	14.2., PC-	· ·			PC-18.1., PC-
		13.2., PC-13.3.	14.3., PC-14.4.	15.2.	16.4., PC-16.5.	17.4.	18.2., PC-18.3.
OC.	Optional course						
OC.E.01	Russian language						

		PR	OFESSION	AL COMPETI	ENCIES		
Code	Name of disciplines/modules that form students' competencies	PC-19 Ability to perform post-mortem diagnostic examination of animals in order to establish pathological processes, diseases, causes of death	PC-20 Ability to develop an annual plan for antiepizootic measures, a plan for the prevention of noncommunicable animal diseases, a plan for veterinary and sanitary measures	PC-21 Ability to conduct inspections of the veterinary and sanitary condition and microclimate of livestock buildings in accordance with the plan for anti-epizootic measures, the plan for the prevention of noncommunicable animal diseases, the plan for veterinary and sanitary measures	PC-22 Ability to organize measures to protect the organization from the introduction of infectious and parasitic diseases in accordance with the plan of antiepizootic measures	PC-23 Ability to analyze the effectiveness of animal disease prevention measures in order to improve them	PC-24 Ability and willingness to promote veterinary knowledge, including in the field of animal disease prevention
Block 1.	Disciplines (modules)						
B1.B	Mandatory part						
B1.B.01	Basic component						
B1.B.01.01	Animal anatomy						
B1.B.01.02	History						
B1.B.01.03	Latin language						
B1.B.01.04	Inorganic and Analytical Chemistry						
B1.B.01.05	Organic chemistry						
B1.B.01.05	Jurisprudence						
B1.B.01.07	Biology with the basics of ecology						
B1.B.01.08	Veterinary genetics						

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B1.B.01.09	Biological physics						
B1.B.01.10	Computer science						PC-24.1.
B1.B.01.11	Physical and colloidal chemistry						
B1.B.01.12	Philosophy						
B1.B.01.13	Cytology, histology and embryology						
B1.B.01.14	Life safety	PC-19.2.					
	Biological chemistry						
B1.B.01.16	Veterinary microbiology and mycology			PC-21.1.			
B1.B.01.17	Virology and Biotechnology			PC-21.1.			
B1.B.01.19	Breeding with the basics of private zootechnics					PC-23.3.	PC-24.1.
B1.B.01.20	Animal health and welfare			PC-21.1., PC-21.2.	PC-22.1., PC-22.3.	PC-23.1., PC- 23.3.	PC-24.1.
B1.B.01.21	Feeding animals with the basics of feed production						PC-24.1.
B1.B.01.22	pathological physiology						
B1.B.01.23	Veterinary pharmacology						
B1.B.01.24	Veterinary radiobiology			PC-21.1.			
B1.B.01.25	Clinical diagnostics						
B1.B.01.26	pathological anatomy	PC-19.1., PC- 19.2., PC- 19.3., PC- 19.4.					
B1.B.01.27	Operative surgery with topographic anatomy						
B1.B.01.28	Instrumental diagnostic methods					_	
B1.B.01.29		PC-19.3.					
B1.B.01.30	Obstetrics, gynecology and andrology	PC-19.3.				PC-23.1.	PC-24.3.
B1.B.01.31	Internal non-communicable diseases	PC-19.3.	PC-20.2.			PC-23.1.	PC-24.3.
B1.B.01.32	General surgery	PC-19.3.	PC-20.2.			PC-23.1.	PC-24.3.
B1.B.01.33	Private Veterinary Surgery	PC-19.3.	PC-20.2.			PC-23.1.	PC-24.3.

B1.B.01.34	Parasitology and invasive diseases		PC-20.1., PC-			PC-23.1., PC-	
B1.B.01.51		PC-19.3.	20.2.		PC-22.1.	23.3.	PC-24.3.
B1.B.01.35	Epizootology and infectious diseases		PC-20.1., PC-			PC-23.1., PC-	
		PC-19.3.	20.2.		PC-22.1.	23.3.	PC-24.3.
B1.B.01.36	Veterinary and sanitary examination	PC-19.3.				PC-23.1.	
B1.B.01.37	Organization of veterinary business		PC-20.1., PC- 20.2., PC-		PC-22.1.,	PC-23.1., PC-	
B1.B.01.37			20.3.		PC-22.3.	23.3.	
	Forensic veterinary examination and	PC-19.1., PC-					
D1 D 01 20	autopsy of animals	19.2., PC-					
B1.B.01.38		19.3., PC-					
		19.4.				PC-23.1.	
B1.B.01.39	Physical Culture						
B1.B.02	Variable component						
B1.B.02.01	Maths						
	Fundamentals of Rhetoric and						
B1.B.02.02	Communication						PC-24.3.
B1.B.02.03	Introduction to the specialty						PC-24.1.
D1 D 02 04	Fundamentals of Economics and						
B1.B.02.04	Management		PC-20.3.			PC-23.2.	
B1.B.02.05	Immunology						
B1.B.02.06	General and veterinary ecology				PC-22.1.		PC-24.3.
	Veterinary sanitation				PC-22.1.,		
B1.B.02.07			PC-20.2., PC-	PC-21.1., PC-21.2.,	PC-22.2.		
				PC-21.3.	PC-22.3.	PC-23.3.	PC-24.3.
B1.B.02.08	Technology for processing livestock						
B1.B.02.08	products				PC-22.1.		
B1.B.02.09	Veterinary deontology						PC-24.1.
B1.B.02.10	Economics and organization of						
B1.B.02.10	agricultural production		PC-20.3.			PC-23.2.	
B1.B.03	Course work						
B1.B.03.01	Animal welfare						
B1.B.ED.01	Foreign language						
	Foreign language						
01							
B1.B.ED.01.	Russian as a foreign language)						
02							

		·	1		 1
	Elective disciplines (modules) 1 (ED.1)				
B1.E.ED.01.	Interdisciplinary module				
01					
	Applied physical culture				
B1.E.ED.02.	Applied physical culture				
01					
B1.E.ED.03	Elective disciplines (modules) 3 (ED.3)				
B1.E.ED.03. N	Medicinal and poisonous plants				
01					
B1.E.ED.03. F	Fodder plants				
02					
B1.E.ED.03. F	Basics of professional ethics				
03					
B1.E.ED.04 F	Elective disciplines (modules) 4 (ED.4)				
	1 Zoopsychology				PC-24.1.
B1.E.ED.04.0	2 Animal health				
R1 E ED 04 0	Psychology of personality and				
D1.E.ED.04.0	professional sen-determination				
B1.E.ED.05	Elective disciplines (modules) 5 (ED.5)				
B1.E.ED.05.0	1 Clinical laboratory diagnostics				
		PC-19.3.			
B1.E.ED.05.0	2 Laboratory diagnostics of infectious				
	_	PC-19.3.		PC-22.1.	
B1.E.ED.06	Elective disciplines (modules) 6				
	(ED.6)				
B1.E.ED.06.0	Organization of state veterinary			PC-22.1.,	
D1 F FD 06 0	supervision			PC-22.3.	
B1.E.ED.06.0	Veterinary and manufacturing laboratories with design basics				
D1 E ED 07	_				
B1.E.ED.07	Elective disciplines (modules) 7 (ED.7)				
D1 E ED 07 0					
	Biometrics in veterinary medicine				
B1.E.ED.0/.0	2 Career Management				1
	Fundamentals of social and legal knowledge				
	4 Space technologies in the service of the				

	agro-industrial complex				
B1.E.ED.08	Elective disciplines (modules) 8				
	(ED.8)				
B1.E.ED.08.01	Equine diseases	PC-19.3.			PC-24.3.
B1.E.ED.08.02	Diseases of food producing animals	PC-19.3.			PC-24.3.
B1.E.ED.08.03	Communication workshop				PC-24.1.
B1.E.ED.09	Elective disciplines (modules) 9 (ED.9)				
B1.E.ED.09.01	Diseases of small animals	PC-19.3.			PC-24.3.
B1.E.ED.09.02	Diseases of small pets	PC-19.3.			PC-24.3.
B1.E.ED.09.03	Diseases of bees and entomophages		PC-20.2.		PC-24.3.
	Fish pathology and aquaculture		PC-20.2.		PC-24.3.
B1.E.ED.09.05	Diseases of exotic animals	PC-19.3.			PC-24.3.
B1.E.ED.10	Elective disciplines (modules) 10 (EC.10)				
B1.E.ED.10.01	Anesthesiology, resuscitation and intensive care				
B1.E.ED.10.02	Dermatology				PC-24.3.
B1.E.ED.10.03	Cardiology				PC-24.3.
B1.E.ED.10.04					PC-24.3.
B1.E.ED.10.05	Nephrology				PC-24.3.
	Elective disciplines (modules) 11 (ED.11)				
B1.E.ED.11.01	Reconstructive and restorative surgery				PC-24.3.
B1.E.ED.11.02	Veterinary ophthalmology				PC-24.3.
B1.E.ED.11.03	Animal Dentistry				PC-24.3.
B1.E.ED.12	Foreign language for special purposes				
	Foreign language for special purposes				
B1.E.ED.12.02	Russian language for special purposes				
B1.E.ED.13	Foreign language. Translation of				
	special texts				
B1.E.ED.13.01	Foreign language. Translation of special texts				
B1.E.ED.13.02	Russian language. Translation of special texts				
B1.E.ED.14	Foreign language. Professional				

	communications					
B1.E.ED.14.01	Foreign language. Professional communications					
B1.E.ED.14.02	Russian language. Professional communications					
BLOCK 2.	Practice					
B2.B.01	Base component					
В2.В.01.01(У)	F	PC-19.1., PC- 19.2., PC-19.3., PC-19.4.	PC-21.1., PC-21.2.	PC-22.1., PC-22.3.	PC-23.1., PC- 23.3.	PC-24.1.
B2.B.02.01(P)		19.3., PC-	PC-21.1., PC-21.2., PC-21.3.	PC-22.1., PC-22.2. PC-22.3.	PC-23.1., PC-23.2., PC-23.3.	PC-24.1., PC- 24.3.
B2.E.ED.01	Elective practices (modules) 1 (ED.1)					
B2.E.ED.01.01 (P)	•	19.3., PC-	PC-21.1., PC-21.2., PC-21.3.	PC-22.1., PC-22.2. PC-22.3.	PC-23.1., PC-23.2., PC-23.3.	PC-24.1., PC- 24.3.
B2.E.ED.01.02 (P)	preparation of a scientific qualification project	· ·	PC-21.1., PC-21.2., PC-21.3.	PC-22.1., PC-22.2. PC-22.3.	PC-23.1., PC-23.2., PC-23.3.	PC-24.1., PC- 24.3.
BLOCK 3	State final certification					
B3.B.01		19.2., PC-	PC-21.1., PC-21.2., PC-21.3.	PC-22.1., PC-22.2. PC-22.3.	PC-23.1., PC-23.2., PC-23.3.	PC-24.1., PC- 24.3.
OC.	Optional course					
OC.E.01	Russian language					