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**Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA
RUDN University**

Agrarian and Technological Institute

educational division (faculty/institute/academy) as higher education programme developer

Approved at the meeting of the Academic
Council of RUDN University

Opened by order of the Rector of
RUDN University No. 44-1

Protocol No. 1

December 21, 2011

(date, month, year)

July 09, 2012

(date, month, year)

PROFESSIONAL EDUCATION PROGRAMME OF HIGHER EDUCATION

Field of Studies/ Speciality:

36.05.01 Veterinary

field of studies / speciality code and title

Profile/Specialisation:

Veterinary

higher education programme title

The Educational Programme is developed in compliance with:

Educational Standard of RUDN University, approved by Order of the Rector No. 371

dated May 21, 2021

(day, month, year)

Level of education:

Specialist

(bachelor's / specialist's / master's – to fill in the required)

Graduate's Qualification:

Veterinarian

(graduate's qualification in compliance with the order of the Ministry of Education and Science of Russian Federation dated September 12, 2013, No. 1061)

Length of Educational Programme:

5 years

(full-time education)

-

(part-time education)

-

(correspondence education)

AGREED by:

Head
of Educational Programme

J.A. Vatnikov

(signature)

(day, month, year)

Chairperson
of Didactic Council

J.A. Vatnikov

(signature)

(day, month, year)

Head
of Educational
Department
E.A.Dovletyarova

(signature)

(day, month, year)

1. EDUCATIONAL PROGRAMME GOAL (MISSION)

Study objective: Training of highly qualified, competitive, innovation-oriented specialists in the field of veterinary medicine.

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

The graduate of the programme has such personal qualities as responsibility for the result, motivation in obtaining and mastering professional knowledge, aspiration for personal and professional growth and development. In the process of learning in a multinational environment, the student develops social and communicative skills, gets a moral and ethical basis for future professional activity, learns to use general and professional knowledge for socially significant, safe and successful activity taking into account the normative and legal provisions of his/her state and the world community as a whole.

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

Formation and development of professional competencies, taking into account the student's interests and his/her future career development trajectory, allows students to become a sought-after specialist in their field even at the stage of education.

2. EDUCATIONAL PROGRAMME RELEVANCE, SPECIFICITY, AND UNIQUENESS

The programme prepares veterinary specialists capable of treating small and large, productive and non-productive animals (companion animals, zoo animals and wild animals). The basic knowledge obtained by students in the first three years of the programme allows them to choose any direction of their professional development in the future. In the course of the programme, the specialization disciplines lay the foundation for further postgraduate specialized development of graduates.

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

The volume of the specialist programme is 300 credit units (hereinafter – c.u.) regardless of the form of study, applied educational technologies, implementation of the specialist programme on an individual curriculum. The volume of a specialist programme implemented in one academic year is not more than 70 c.u., regardless of the form of study, applied educational technologies, implementation of a specialist programme on an individual curriculum (except for accelerated learning), and in case of accelerated learning – not more than 80 c.u.

The specific difference of the educational programme 36.05.01 “Veterinary Medicine” of ATI RUDN can be called a unique combination of deep basic knowledge, which students receive at RUDN University, and modern approaches to practical activity in animal treatment, acquired by students on the basis of partner enterprises during field studies, practical training and internships.

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

3. THE LABOR MARKET'S NEED FOR TRAINING IN OP VO PROFILE

The area of professional activity of graduates of specialist programmes in specialty 36.05.01 Veterinary Medicine includes:

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

List of organizations in which the graduate can carry out professional activities:

- public administration and supervisory bodies
- animal disease control stations
- public and private veterinary clinics
- agro-industrial holdings
- customs authorities
- higher education institutions
- research and production associations and research institutes
- foreign and domestic food industry enterprises
- animal feed production enterprises
- trade organizations
- accredited and production laboratories
- biopharmaceutical manufacturers
- veterinary pharmacies
- veterinary laboratories
- pet stores
- stud farms and equestrian clubs
- zoos
- markets, etc.

A graduate may hold the following wide range of positions: veterinary surgeon; veterinary consultant; veterinary laboratory assistant; chief veterinary surgeon of a veterinary clinic or veterinary enterprise; head of a veterinary pharmacy or laboratory; specialist in quality control of veterinary products; sales representative for veterinary drugs and products; sanitary service specialist; specialist in registration of veterinary drugs; manager of a scientific communications department for working with pet business professionals (trainer, lecturer); cynologist; research associate, etc.

3. SPECIAL REQUIREMENTS FOR POTENTIAL APPLICANTS

A potential applicant to the educational programme must have an education not lower

than secondary general education.

Characteristics of entrance examinations: A written exam in the form of the Unified State Exam (USE) in the following subjects: Biology, Russian language, Mathematics/Physics/Chemistry/Foreign language. Results of academic olympiads and other individual achievements are also taken into account.

Admission to the University for the specialist programme is based on the results of entrance examinations established by the University and is carried out for the following categories of citizens:

- those with secondary vocational education;
- those with secondary general or vocational education obtained in educational institutions of foreign countries.

4. FEATURES OF EDUCATIONAL PROGRAMME IMPLEMENTATION

5.1. The programme is implemented with elements of e-learning/distance education technologies.

5.2. The language of implementation of the educational programme is Russian.

5.3. The programme can be adapted for the education of persons with disabilities .

5.4. The programme is implemented by the Federal State Autonomous Educational Institution of Higher Education “Peoples’ Friendship University of Russia named after Patrice Lumumba (RUDN University)”.

Information about partner organizations involved in the implementation of the educational program:

Name of partner organization	Interaction functionality
State Budgetary Institution of the City of Moscow “Moscow Association of Veterinary Medicine”	Scientific work, practicums, internships, organization of joint career-guidance events and professional skill contests
Federal State Budgetary Institution “All-Russian State Center for Quality and Standardization of Veterinary Drugs and Feed”	Scientific work
Federal State Budgetary Scientific Institution “V.M. Gorbатов Federal Research Center for Food Systems” (RAS)	Scientific work, internships and practical training for students
Federal State Budgetary Institution “Central Scientific-Methodical Veterinary Laboratory”	Scientific work, internships and practical training for students
Federal State Budgetary Educational Institution of Higher Education “K.I. Skryabin Moscow State Academy of Veterinary Medicine and Biotechnology – MVA”	Scientific work, internships and practical training for students
Federal State Budgetary Scientific Institution “All-Russian Research Veterinary Institute of Pathology, Pharmacology and Therapy”	Scientific work, internships and practical training for students
Федеральное государственное бюджетное Federal State Budgetary Institution “National Medical Research Center of Radiology” of the Ministry of Health of the Russian Federation	Scientific work, internships and practical training for students

Federal State Budgetary Institution "Federal Center for Animal Health Protection"	Scientific work, internships and practical training for students
LLC "VETZdorovye" / LLC "MedVet"	Scientific work, student internships and practicums, joint educational activities
"New Century" Veterinary Clinic of KSC "Novy Vek" LLC	Scientific work, student internships and practicums, joint educational activities
IVC MVA Veterinary Reference Center LLC	Scientific work, student internships and practicums, joint educational activities
...and many others.	

5.5. Information on planned bases of educational/industrial practices

Practice*	Base of practice (name of organization, location)
Training practice (introductory, on-site))	OOO "VETZdorovye" / OOO "MedVet" (Moscow and Moscow Region) LLC Veterinary Clinic KSK "Novy Vek" (Moscow Region) CJSC "Lenin State Farm" (Moscow Region) LLC IVC MVA Veterinary Reference Center (Moscow) LLC "RADENIS" (Moscow Region) LLC "AMVET" (Moscow) Federal State Budgetary Institution "Federal Center for Animal Health Protection" (Vladimir, Russia)
Industrial practice (medical, technological, pre-diploma, field)	LLC "VETZdorovye" / LLC "MedVet" VK "ZooAcademy" Ltd. "Bely Klyk-M" Ltd. "Biocontrol" LLC "Otrada" Veterinary Center LLC LLC Veterinary Clinic "Odinvet" (sole proprietor Bokarev A.N.) ...and many others.

* - The type of practice (training/industrial), the type of practice – its name (introductory, technological, research, pre-diploma, etc.), and the method of conducting (stationary/field).*

6. CHARACTERIZATION OF PROFESSIONAL ACTIVITY OF THE OP GRADUATE

The field(s) and/or area(s) of professional activity of the graduate who has mastered the programme, in which he/she can carry out his/her professional activity:

01 Education and science (in the field of vocational training, professional education and additional professional education, in the field of scientific research),

13 Agriculture (in the areas of: preservation and maintenance of animal health;

prevention and treatment of all types of animals, including birds, bees, fish and hydrobionts; improvement of productive qualities of animals; veterinary control; forensic veterinary and veterinary-sanitary expertise).

Graduates may carry out professional activities in other areas of professional activity and/or spheres of professional activity, provided that the level of their education and acquired competencies correspond to the requirements for the qualification of an employee.

6.2. Type(s) of professional activity tasks, for which the graduate is prepared to solve within the framework of mastering the educational programme:

- medical;
- expert-control;
- scientific and educational.

6.3 List of generalized labor functions and labor functions relevant to the professional activity of the graduate of the programme, in accordance with which the programme was developed*

Code and name of the professional standard	Generalized labor function			Labor functions		
	code	name	qualification level	name	code	qualification level
141 Employee in the field of veterinary medicine (type of professional activity – Ensuring veterinary welfare of animals and humans, code 13.012; OKZ code – 2250 Veterinary doctors; OKVED code – Veterinary activities).)	G	Оказание ветеринарной помощи животным всех видов	7	Conducting clinical examination of animals in order to establish a diagnosis.	G/01.7	7
				Carrying out measures to treat sick animals.	G/02.7	7
				Management of the system of measures to prevent the emergence of non-communicable, infectious and invasive animal diseases to ensure sustainable animal health.	G/03.7	7

* - The wording of labor functions is taken from the relevant Professional Standards (if any).

7. REQUIREMENTS TO THE RESULTS OF MASTERING THE OP

7.1. Upon completion of the educational programme, the graduate must possess the following **Generic Competences (GC)**:

Code and name of GC	Code and name of the competence achievement indicator
GC-1 Ability to critically analyze problem situations on the basis of a systematic approach, to develop a strategy of action.	GC-1.1. Analyzes a task by identifying its basic components; GC-1.2. Identifies and ranks the information required to solve the task at hand; GC-1.3. Searches for information to solve a given problem using various types of queries; GC-1.4. Proposes variants of solving the problem, analyzes possible consequences of their use; GC-1.5. Analyzes ways of solving problems of worldview, moral and personal nature on the basis of using the main philosophical ideas and categories in their historical development and socio-cultural context.
GC-2 Ability to manage a project at all stages of its life cycle.	GC-2.1. Formulates a problem, the solution of which is directly related to achieving the project goal; GC-2.2. Determines connections between the tasks set and the expected results of their solution; GC-2.3. Identifies available resources and constraints, as well as applicable legal regulations, within the framework of assigned tasks; GC-2.4. Analyzes the project implementation schedule as a whole and chooses the optimal way to solve the set tasks, based on current legal regulations and available resources and constraints; GC-2.5. Controls the progress of the project, adjusts the plan-schedule in accordance with the results of monitoring.
GC-3 Ability to organize and lead a team, developing a team strategy to achieve the set goal.	GC-3.1. Identifies his/her role in a team based on a collaborative strategy to achieve a goal; GC-3.2. Formulates and takes into account in his/her activity the peculiarities of behavior of groups of people distinguished depending on the goal set; GC-3.3. Analyzes the possible consequences of personal actions and plans his/her actions to achieve a given result; GC-3.4. Shares information, knowledge and experience with team members; GC-3.5. Argues his/her point of view regarding the use of other team members' ideas to achieve the set goal; GC-3.6. Participates in teamwork to complete assignments.
GC-4 Ability to communicate in interpersonal and intercultural interaction in Russian as a foreign language and foreign language(s) on the basis of mastery of interrelated and interdependent types of receptive and productive foreign language speech activities, such as listening, speaking, reading, writing and translation in everyday, socio-cultural, educational-	GC-4.1. Selects a style of business communication depending on the language of communication, the purpose and the conditions of partnership; GC-4.2. Adapts speech, communication style, and body language to situations of interaction; GC-4.3. Searches for necessary information to solve standard communicative tasks in Russian and foreign languages; GC-4.4. Translates professional texts from a foreign language into Russian and vice versa; GC-4.5. Conducts business correspondence in Russian and foreign languages, taking into account stylistic features of official and unofficial letters and sociocultural differences in correspondence format; GC-4.6. Uses dialogue for cooperation in academic communication,

professional, official-business and scientific spheres of communication.	taking into account the personalities of interlocutors, their communicative strategy and tactics, and the degree of formality of the setting; GC-4.7. Formulates and substantiates his/her own assessment of the main ideas of dialogue (discussion) participants in accordance with the needs of joint activity.
GC-5 Ability to analyze and take into account the diversity of cultures in the process of intercultural interaction.	GC-5.1. Interprets the history of Russia in the context of world historical development; GC-5.2. Finds and uses information about cultural characteristics and traditions of different social groups in social and professional communication; GC-5.3. Takes into account the historical heritage and socio-cultural traditions of various social and professional communities in social and professional communication on a given topic, including groups, ethnicities and confessions (world religions, philosophical and ethical teachings); GC-5.4. Gathers information on a given topic, taking into account the ethnicities and faiths most widely represented in the research locations; GC-5.5. Justifies the peculiarities of project and team activities with representatives of other ethnicities and/or confessions; GC-5.6. Adheres to the principles of non-discriminatory interaction in personal and mass communication in order to fulfill professional tasks and enhance social integration.
GC-6 Ability to identify and implement priorities of one's own activity and ways to improve it on the basis of self-assessment and lifelong learning.	GC-6.1. Controls the amount of time spent on specific activities; GC-6.2. Develops tools and methods of time management in accomplishing specific tasks, projects, and goals; GC-6.3. Analyzes his/her resources and their limits (personal, situational, time, etc.) for successful completion of the task at hand; GC-6.4. Finds and uses sources of additional information to improve general and professional knowledge; GC-6.5. Analyzes the main opportunities and tools of continuing education in relation to his/her own interests and needs, taking into account conditions, means, personal capabilities, stages of career growth, time perspective of activity development, and labor market requirements; GC-6.6. Identifies self-development tasks, goals and priorities for professional growth; GC-6.7. Categorizes tasks into long-, medium-, and short-term tasks.
GC-7 Ability to maintain an adequate level of physical fitness to ensure full social and professional activity.	GC-7.1. Selects health-saving technologies to maintain a healthy lifestyle, taking into account the physiological characteristics of the body; GC-7.2. Plans his/her working and free time to optimally balance physical and mental workload and ensure productivity; GC-7.3. Observes and promotes healthy lifestyle principles in various life situations and professional activities;
GC-8 Ability to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, to ensure sustainable development of society, including in the event	GC-8.1. Analyzes factors of harmful influence on life activity of environmental elements (technical means, technological processes, materials, buildings and structures, natural and social phenomena); GC-8.2. Identifies dangerous and harmful factors within the scope of the task at hand; GC-8.3. Identifies and eliminates problems associated with safety violations in the workplace; GC-8.4. Explains measures to prevent emergency situations;

of threats and occurrence of emergencies and military conflicts.	GC-8.5. Explains rules of behavior in the event of natural and man-made emergencies, as well as in the event of military conflicts; GC-8.6. Provides first aid and participates in recovery activities.
GC-9 Ability to use basic defectological knowledge in social and professional spheres.	GC-9.1. Possesses an understanding of the principles of non-discriminatory interaction in communication in various spheres of life, taking into account the socio-psychological characteristics of persons with disabilities; GC-9.2. Plans and carries out professional activities with persons who have disabilities or limited health capacities; GC-9.3. Interacts with persons with disabilities in social and professional spheres.
GC-10 Ability to make informed economic decisions in various spheres of life.	GC-10.1. Understands basic principles of economic functioning and economic development, the goals and forms of state participation in the economy; GC-10.2. Applies methods of personal economic and financial planning to achieve current and long-term financial goals; GC-10.3. Uses financial tools to manage personal finances (personal budget), controls own economic and financial risks.
GC-11 Ability to form an intolerant attitude towards corrupt behavior.	GC-11.1. Analyzes current legal norms that ensure the fight against corruption in various areas of life, as well as ways to prevent corruption and foster an intolerant attitude towards it; GC-11.2. Plans, organizes and conducts activities that foster a civic stance and prevent corruption in society; GC-11.3. Observes the rules of social interaction based on compliance with applicable legislation and an intolerant attitude towards corruption.
GC-12 Ability to search for the necessary sources of information and data, to perceive, analyze, remember and transfer information using digital means, as well as with the help of algorithms when working with data obtained from various sources in order to effectively use the obtained information to solve tasks; ability to evaluate information, its reliability, and draw logical inferences based on incoming information and data.	GC-12.1. Finds the necessary sources of information and data, perceives, analyzes, remembers and transmits information using digital tools, as well as by using algorithms when working with data from various sources, in order to effectively use the obtained information to solve tasks; GC-12.2. Evaluates information and its reliability, and draws logical conclusions based on incoming information and data.

7.2 Upon completion of the educational programme, the graduate should possess the following General Professional Competences (GPC):

Code and name of GPC	Code and name of the competence achievement indicator
GPC-1 Ability to determine the biological status and standard clinical indicators of the organs and systems of animals.	GPC-1.1. Knows the structure and functions of the main systems of an animal's body, taking into account species characteristics; GPC-1.2. Is able to predict expected disturbances of the biological status when a disease is suspected; GPC-1.3. Is able to determine the main indicators of the functioning of individual body systems and draw conclusions about the presence

	of deviations from standard values; GPC-1.4. Possesses the skills of collecting samples of biological fluids and tissues for examination, performing laboratory tests, and interpreting the results of examinations.
GPC-2 Ability to interpret and evaluate in professional activity the influence of natural, social-economic, genetic and economic factors on the physiological state of an animal's body.	GPC-2.1. Possesses knowledge about the influence of natural, social-economic, genetic and economic factors on the animal's body; GPC-2.2. Is able to establish the presence and reliability of cause-and-effect relationships between the impact of individual etiological factors on an animal's body and the development of diseases; GPC-2.3. Possesses methods of preventive and therapeutic correction of the influence of adverse environmental factors that can cause deterioration of animal health.
GPC-3 Ability to carry out and improve professional activities in accordance with regulatory legal acts in the sphere of the agro-industrial complex.	GPC-3.1. Knows modern legal norms, both national and international, regulating activities in the field of veterinary medicine, veterinary-sanitary expertise, and the agro-industrial complex; GPC-3.2. Possesses the skills to update legal information, including in the sphere of the agro-industrial complex; GPC-3.3. Carries out activities in accordance with regulatory legal acts in the sphere of the agro-industrial complex, as well as in the field of veterinary medicine and veterinary-sanitary expertise.
GPC-4 Ability to use methods for solving tasks using modern equipment in the development of new technologies, and to use modern professional methodology for conducting experimental research and interpreting their results.	GPC-4.1. Possesses the conceptual and methodological apparatus of basic natural sciences at a level sufficient for full professional activity at the modern level; GPC-4.2. Possesses methods of solving tasks using modern equipment; GPC-4.3. Is ready to use modern methodology in developing and conducting experimental research; GPC-4.4. Uses modern professional methodology in interpreting research results.
GPC-5 Ability to prepare special documentation, analyze the results of professional activity, and present reporting documents using specialized databases.	GPC-5.1. Possesses skills in finding required documentation forms on official websites and in specialized databases; GPC-5.2. Possesses professional terminology and skills in filling out analytical and reporting documents of a professional nature; GPC-5.3. Is able to use specialized software to analyze the results of professional activity and to compile reporting documentation.
GPC-6 Ability to analyze, identify and assess the risk of occurrence and spread of diseases.	GPC-6.1. Possesses knowledge in the field of etiology and pathogenesis of diseases in animals of different species; GPC-6.2. Knows the patterns of occurrence and spread of diseases in animal populations, factors predisposing to diseases and causes of possible complications; GPC-6.3. Assesses the risks of the impact of human economic activity on the spread of diseases in animals and humans.
GPC-7 Ability to understand the principles of operation of modern information technologies and use them to solve professional tasks.	GPC-7.1. Understands the principles of operation of modern computer equipment and telecommunication tools and is able to use them to solve professional tasks; GPC-7.2. Uses modern specialized software and specialized databases to solve professional tasks and fulfill job duties; GPC-7.3. Possesses skills in working with modern medical diagnostic and therapeutic equipment (with software); GPC-7.4. Uses specialized databases to solve professional tasks in the field of diagnosis and treatment of animals of various species; GPC-7.5. Uses geographic information systems and software packages in collecting and analyzing information related to assessing the spread of contagious diseases, epizootic situations, and in

	planning and evaluating the effectiveness of anti-epizootic measures.
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7.3. The list of Professional Competences (PC)* that a graduate who has fully mastered the programme should possess:

Code and name of the competence achievement indicator		Code and name of the professional standard on the basis of which the PC is formulated
PC-1. Ability to collect anamnesis of the life and health of an animal for further diagnosis and planning of therapeutic and preventive measures.	PC-1.1 Collects the animal's life history, information on routine vaccinations, deworming and other preventive treatments. PC-1.2 Collects information on past diseases, surgical interventions, current chronic diseases and ongoing therapy for these diseases. PC-1.3 Collects information on changes in the animal's condition during the course of the disease, on diagnostic and therapeutic measures performed, and on medications and physiotherapy methods used.	<i>Professional Standard:</i> 141 Employee in the field of veterinary medicine (type of professional activity – Ensuring veterinary welfare of animals and humans, code 13.012; OKZ code – 2250 Veterinary doctors).
PC-2. Ability to perform a complete initial clinical examination of an animal to make a preliminary clinical diagnosis(s) and repeated examinations to monitor the patient's condition.	PC-2.1 Follows the technique and procedure for clinical examination, taking into account the type of animal and its condition. PC-2.2 Identifies signs (symptoms) of deviations from normal function, recognizes standard combinations of signs (syndromes). PC-2.3 Records the results of the examination in the patient's chart/other medical documents. PC-2.4 Is able to assess the initial severity of clinical symptoms and their changes during the course of case management.	
PC-3. Ability to plan measures for differential diagnosis of diseases in a patient.	PC-3.1 Systematizes information about the patient's symptoms/syndromes, forms a set of preliminary diagnoses for their further confirmation or refutation. PC-3.2 Uses an established or devises a unique algorithm for differential diagnosis, taking into account the capabilities of the veterinary facility. PC-3.3 Utilizes information obtained as a result of diagnostic measures to make a final diagnosis(s) and adjust the diagnoses when necessary.	
PC-4. Ability to perform necessary laboratory diagnostics as part of preventive or diagnostic measures.	PC-4.1 Knows modern methods of laboratory diagnostics, their purpose, features of pre-analytical procedures and interpretation of results. PC-4.2 Selects the appropriate type of laboratory test to solve the task at hand, taking into account	

	knowledge of basic biological disciplines. PC-4.3 Knows how to perform laboratory tests using modern diagnostic equipment. PC-4.4 Interprets diagnostic results and uses them to solve the task at hand.	
PC-5. Ability and readiness to plan and conduct the necessary types of instrumental diagnostics of the patient's condition.	PC-5.1 Possesses knowledge of modern methods of instrumental diagnostics, the specifics of their application, indications, possible complications and contraindications for their use. PC-5.2 Selects a necessary and sufficient set of instrumental diagnostic methods to solve the task at hand. PC-5.3 Knows how to perform instrumental diagnostic procedures for animal diseases. PC-5.4 Interprets diagnostic results and uses them to solve the task at hand.	
PC-6. Ability to, on the basis of clinical, laboratory and instrumental diagnostic data, as well as additional diagnostic methods, make a diagnosis and provide a prognosis for the course and spread of a disease.	PC-6.1 Possesses knowledge of the characteristics of the manifestation of infectious, parasitic, internal non-communicable, surgical, gynecological and other diseases in animals of various species. PC-6.2 Possesses methods of making a comprehensive diagnosis, taking into account the results of anamnesis collection and clinical, laboratory and instrumental investigations. PC-6.3 Possesses methods of predicting the course and outcome of treatment of the primary disease based on a set of concomitant diagnoses and factors complicating the patient's condition. PC-6.4 Possesses techniques for assessing the risk of spread of an identified disease.	
PC-7. Ability to choose or develop a treatment plan for a patient based on the established diagnosis.	PC-7.1 Able to select the necessary drugs for the treatment of animals, guided by the principles of evidence-based medicine and taking into account the cumulative pharmacological effect of all prescribed drugs on the body; PC-7.2 Able to choose the optimal method of drug administration, calculate the dose and frequency of administration, and determine the duration of the course of each drug; PC-7.3 Able to select non-pharmacological methods, including physiotherapy, to influence the body of a sick animal that contribute to its recovery, and apply them in patient treatment; PC-7.4 Able to draw up a treatment plan for a patient, determine criteria for monitoring its effectiveness, and options for modifying the treatment plan if the chosen treatment methods are not effective.	
PC-8. Ability to coordinate the treatment plan with the owner of the animal and other participants in the treatment process, and,	PC-8.1 Able to explain the chosen treatment plan to the pet's owner, obtain their consent and willingness to invest their resources in the pet's treatment. PC-8.2 Willing to communicate with the patient's owner about changes in the patient's condition	

if necessary, adjust it in the course of treatment and coordinate changes with the animal's owner.	that occur during treatment, compliance with the prescribed therapy, and the correlation between prognosis and actual outcomes. PC-8.3 Ready to explain to the owner and treatment staff the reasons for adjusting the prescribed treatment in case of changes in the patient's condition.	
PC-9. Ability to use operative surgery methods in the prevention, diagnosis and treatment of animal diseases.	PC-9.1 Selects the appropriate method of surgical intervention, including methods of anesthesia if necessary. PC-9.2 Plans preoperative preparation, the course of the surgical intervention, management of the early postoperative period, and prevention of complications. PC-9.3 Able to independently perform basic preventive, diagnostic and therapeutic surgical interventions (including punctures, soft tissue debridement, tail amputation, castration of males and females, dehorning, diagnostic laparotomy, etc.). PC-9.4 Monitors the outcome of the surgical intervention.	
PC-10. Ability to analyze and adjust animal feeding to improve the effectiveness of the treatment process, and to prescribe therapeutic diets.	PC-10.1. Able to analyze a patient's diet to identify factors predisposing to disease development. PC-10.2. Able to justify the prescription of special feeding to an animal for therapeutic purposes in various diseases. PC-10.3. Able to recommend the approximate composition of therapeutic diets, the optimal ratio of nutrients, and the presence of special additives and components that enhance the therapeutic effect of the diet. PC-10.4. Able to use special programs and databases to select commercial therapeutic diets and dietary supplements, as well as to prepare individualized therapeutic diets for animals of different species.	
PC-11. Ability to develop an annual plan of anti-epizootic measures, a plan for the prevention of non-communicable animal diseases, and a plan of veterinary and sanitary measures.	PC-11.1. Able to conduct an epizootiological survey of an organization and its territory. PC-11.2. Able to develop an annual plan of anti-epizootic and anti-parasitic measures, a plan for the prevention of non-communicable animal diseases, and a plan of veterinary and sanitary measures (including a plan of preventive immunizations and therapeutic and preventive treatments). PC-11.3. Able to draw up individual and group plans of preventive immunizations (vaccinations), taking into account the epizootic situation in the area where the animals are kept, the anti-epizootic plan, as well as state and regional veterinary and sanitary rules and requirements. PC-11.4. Able to organize therapeutic and preventive treatments of animals in accordance with the anti-epizootic plan and, if necessary, taking into	

	account the actual epizootic situation in the locations of the animals, including in agricultural production conditions. PC-11.5. Able to analyze the completeness and effectiveness of measures to prevent animal diseases in order to improve them.	
PC-12. Ability to organize and conduct dispensary monitoring in animals, both general and specialized.	PC-12.1. Able to draw up a plan for animal health check-ups (general or specialized), taking into account their species and purpose. PC-12.2. Able to organize and conduct medical check-ups according to the established plan. PC-12.3. Able, based on the results of the dispensary check-up, to provide recommendations for therapeutic and preventive measures aimed at improving the health of the group of animals.	
PC-13. Ability to perform postmortem diagnostic examination of animals in order to identify pathological processes, diseases, and the cause of death.	PC-13.1. Able to perform a general inspection of animal carcasses before autopsy. PC-13.2. Able to perform autopsy of animal carcasses using special tools and in compliance with safety requirements. PC-13.3. Able to establish the cause of death and pathological-anatomical diagnosis in accordance with generally accepted criteria and classifications and the lists of animal diseases. PC-13.4. Able to document the results of a postmortem diagnostic examination of an animal in an autopsy report.	
PC-14. Readiness to promote veterinary knowledge, including in the area of animal disease prevention.	PC-14.1. Able to analyze the problems leading to compromised animal health and welfare, and on that basis set goals in the field of promoting veterinary knowledge, planning the strategy and tactics of upcoming activities. PC-14.2. Able to use computer and telecommunication tools to prepare and present materials used in the process of promoting veterinary knowledge. PC-14.3. Able to conduct talks, lectures, and seminars for employees of an organization in order to explain principles of work on the prevention of animal diseases.	

– PC competencies are formulated by the programme developer taking into account the requirements of professional standards and the orientation of the educational programme.*

8. MATRIX OF COMPETENCIES to be formed in students during the mastering of the educational program for specialty 36.05.01 "Veterinary medicine"

code	Name of disciplines/modules forming competencies of students	UNIVERSAL COMPETENCIES			
		GC-1 Ability to carry out critical analysis of problem situations based on a systematic approach and to develop a strategy of actions.	GC-2 Ability to define the range of tasks within the set goal and to choose optimal methods for their solution, based on applicable legal norms, available resources, and constraints.	GC-3 Ability to perform social interaction and realize one's role within a team.	GC-4 Ability to communicate in interpersonal and intercultural interaction in Russian as a foreign language and in foreign language(s) based on the mastery of interrelated and interdependent types of reproductive and productive foreign language speech activities such as listening, speaking, reading, writing, and translation in everyday, sociocultural, educational-professional, official-business, GC-5 Ability to analyze and take into account the diversity of cultures in the process of intercultural interaction. GC-6 Ability to determine and implement priorities of one's own activities and ways of improving it based on self-assessment and lifelong learning.

БЛОК 1.	Дисциплины (модули)						
Б1.О	Обязательная часть						
Б1.О.01	Base component / Базовая компонента						
Б1.О.01.01	History of Russia / История России					GC-5.1; GC-5.2; GC-5.3; GC-5.4;	
Б1.О.01.02	Maths / Математика	GC-1.1; GC-1.2; GC-1.3;					
Б1.О.01.03	History of Religions in Russia / История религий России					GC-5.1; GC-5.2; GC-5.3; GC-5.4;	
Б1.О.01.04	Fundamentals of Russian Statehood / Основы российской государственности					GC-5.1; GC-5.2; GC-5.3; GC-5.4;	
Б1.О.01.05	Basic Military Training. Life Safety / Безопасность жизнедеятельности. Основы военной подготовки						
Б1.О.01.06	Digital Literacy / Цифровая грамотность	GC-1.3;					
Б1.О.01.07	Law Science / Правоведение		GC-2.3;				
Б1.О.01.08	Philosophy / Философия	GC-1.1; GC-1.2; GC-1.4; GC-1.5					
Б1.О.01.09	Physical Education / Физическая культура						
Б1.О.01.10	Inorganic and Analytical Chemistry / Неорганическая и аналитическая химия						

B1.O.01.11	Organic Chemistry / Органическая химия						
B1.O.01.12	Biology with Basic Ecology / Биология с основами экологии						
B1.O.01.13	Biophysics / Биологическая физика						
B1.O.01.14	Physical and Colloidal Chemistry / Физическая и коллоидная химия						
B1.O.01.15	Biological Chemistry / Биологическая химия						
B1.O.01.16	Anatomy of Animals / Анатомия животных						
B1.O.01.17	Latin language / Латинский язык						
B1.O.01.18	Cytology, Histology and Embryology / Цитология, гистология и эмбриология						
B1.O.01.19	Veterinary Microbiology and Mycology / Ветеринарная микробиология и микология						
B1.O.01.20	Virology and Biotechnology / Вирусология и биотехнология						
B1.O.01.21	Physiology and Ethology of Animals / Физиология и этология животных						
B1.O.01.22	Animal Breeding with Basics of Private Husbandry / Разведение животных с основами частной зоотехнии						
B1.O.01.23	Animal Health and Welfare / Здоровье и благополучие животных						
B1.O.01.24	Animal Nutrition and Feeding with Basics of Feed Production / Кормление						

	животных с основами кормопроизводства						
Б1.О.01.25	Pathologic Physiology / Патологическая физиология						
Б1.О.01.26	Veterinary Pharmacology / Ветеринарная фармакология						
Б1.О.01.27	Clinical Diagnostics / Клиническая диагностика						
Б1.О.01.28	Pathological Anatomy / Патологическая анатомия						
Б1.О.01.29	Operative Surgery with Topographic Anatomy / Оперативная хирургия с топографической анатомией						
Б1.О.01.30	Instrumental Diagnostic Methods with Elements of Artificial Intelligence Technology / Инструментальные методы диагностики с элементами технологии искусственного интеллекта						
Б1.О.01.31	Toxicology / Токсикология						
Б1.О.01.32	Obstetrics, Gynecology and Andrology / Акушерство, гинекология и андрология						
Б1.О.01.33	Internal Diseases / Внутренние незаразные болезни						
Б1.О.01.34	General Surgery / Общая хирургия						
Б1.О.01.35	Private Surgery / Частная ветеринарная хирургия						
Б1.О.01.36	Parasitology and Invasive Diseases / Паразитология и инвазионные болезни						

B1.O.01.37	Epidemiology and Infectious Diseases / Эпизоотология и инфекционные болезни						
B1.O.01.38	Veterinary and Sanitary Expertise / Ветеринарно-санитарная экспертиза						
B1.O.01.39	Organization of Veterinary Management with the Basics of Project Activities / Организация ветеринарного дела с основами проектной деятельности						
B1.O.01.ДВ.01	Foreign Language / Иностранный язык				GC-4.1; GC-4.2; GC-4.3;		
B1.O.01.ДВ.01.01	Foreign Language / Иностранный язык				GC-4.1; GC-4.2; GC-4.3;		
B1.O.01.ДВ.01.02	Russian as a Foreign Language / Русский язык (как иностранный)				GC-4.1; GC-4.2; GC-4.3;		
B1.O.02	Variable component / Вариативная компонента						
B1.O.02.01	Russian Language and Culture of Speech / Русский язык и культура речи			GC-3.4; GC-3.5;			
B1.O.02.02	Introduction to Specialty / Введение в специальность		GC-2.1; GC-2.2; GC-2.3;	GC-3.1; GC-3.2; GC-3.3; GC-3.6;			GC-6.1; GC-6.2; GC-6.3; GC-6.4; GC-6.5; GC-6.6; GC-6.7;
B1.O.02.03	Political science / Политология			GC-3.1; GC-3.2; GC-3.3;			
B1.O.02.04	Immunology / Иммунология						
B1.O.02.05	Veterinary Sanitation / Ветеринарная санитария						

Б1.О.02.06	Technology of Animal Products Processing / Технология переработки продукции животноводства						
Б1.О.02.07	Veterinary Deontology / Ветеринарная деонтология						GC-5.5; GC-5.6;
Б1.О.02.08	Laboratory Diagnostics with Elements of Artificial Intelligence Technology / Лабораторная диагностика с элементами технологии искусственного интеллекта						
Б1.О.02.09	Organization of State Veterinary Supervision / Организация государственного ветеринарного надзора						
Б1.О.02.10	Veterinary Genetics / Ветеринарная генетика						
Б1.О.02.11	Veterinary Radiobiology / Ветеринарная радиобиология						
Б1.О.02.12	Forensic Veterinary Examination and Necropsy / Судебная ветеринарная экспертиза и вскрытие животных						
Б1.О.02.13	Biometrics, Biostatistics and Data Analysis in Veterinary Medicine / Биометрия, биостатистика и анализ данных в ветеринарной медицине						
Б1.О.02.14	Агроэкология / Агроэкология						
Б1.О.02.ДВ.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности				GC-4.1; GC-4.2; GC-4.4; GC-4.5;		

					GC-4.6; GC-4.7;		
Б1.О.02.ДВ.01.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности				GC-4.1; GC-4.2; GC-4.4; GC-4.5; GC-4.6; GC-4.7;		
Б1.О.02.ДВ.01.02	Professional Russian Language / Русский язык (как иностранный) в профессиональной деятельности				GC-4.1; GC-4.2; GC-4.5;		
Часть, формируемая участниками образовательных отношений							
Б1.В.ДВ.01	Applied Physical Education / Прикладная физическая культура						
Б1.В.ДВ.01.01	Applied Physical Education / Прикладная физическая культура						
Б1.В.ДВ.02	Interdisciplinary Module / Междисциплинарный модуль	GC-1.1; GC-1.2; GC-1.3; GC-1.4; GC-1.5;					GC-6.1; GC-6.2; GC-6.3; GC-6.4; GC-6.5; GC-6.6; GC-6.7;
Б1.В.ДВ.02.01	Disciplines of the Interdisciplinary Module / Дисциплины междисциплинарного модуля	GC-1.1; GC-1.2; GC-1.3; GC-1.4; GC-1.5;					GC-6.1; GC-6.2; GC-6.3; GC-6.4; GC-6.5; GC-6.6; GC-6.7;

Б1.В.ДВ.03	Elective disciplines 1 (1 из 2) / Элективные дисциплины 1 (1 из 2)						
Б1.В.ДВ.03.01	Medicinal and Poisonous Plants / Лекарственные и ядовитые растения						
Б1.В.ДВ.03.02	Fodder Plants / Кормовые растения						
Б1.В.ДВ.04	Elective disciplines 2 (1 из 2) / Элективные дисциплины 2 (1 из 2)						
Б1.В.ДВ.04.01	Zoopsychology / Зоопсихология						
Б1.В.ДВ.04.02	Здоровье и благополучие животных / Animal Health and Welfare		GPC-2.1; GPC-2.2; GPC-2.3;				GPC-6.1; GPC-6.2;
Б1.В.ДВ.05	Elective disciplines 3 (1 из 2) / Элективные дисциплины 3 (1 из 2)	GPC-1.3; GPC-1.4;					
Б1.В.ДВ.05.01	Veterinary Assistant Skills / Навыки ассистента ветеринарного врача	GPC-1.3; GPC-1.4;					
Б1.В.ДВ.05.02	Fish Pathology and Aquaculture / Патология рыб и аквакультура						
Б1.В.ДВ.06	Elective disciplines 4 (1 из 2) / Элективные дисциплины 4 (1 из 2)						
Б1.В.ДВ.06.01	Equine Diseases / Болезни лошадей						
Б1.В.ДВ.06.02	Diseases of Farm Animals / Болезни продуктивных животных						
Б1.В.ДВ.07	Elective disciplines 5 (1 из 3) / Элективные дисциплины 5 (1 из 3)						
Б1.В.ДВ.07.01	Small Animal Diseases / Болезни мелких домашних животных						

Б1.В.ДВ.07.02	Bee Diseases and Entomophages / Болезни пчел и энтомофаги						
Б1.В.ДВ.07.03	Exotic Animal Diseases / Болезни экзотических животных						
Б1.В.ДВ.08	Elective disciplines 6 (1 из 6) / Элективные дисциплины 6 (1 из 6)						
Б1.В.ДВ.08.01	Dermatology / Дерматология						
Б1.В.ДВ.08.02	Cardiology / Кардиология						
Б1.В.ДВ.08.03	Endocrinology / Эндокринология						
Б1.В.ДВ.08.04	Oncology / Онкология						
Б1.В.ДВ.08.05	Neurology / Неврология						
Б1.В.ДВ.08.06	Nephrology / Нефрология						
Б1.В.ДВ.09	Elective disciplines 7 (1 из 2) / Элективные дисциплины 7 (1 из 2)						
Б1.В.ДВ.09.01	Anesthesiology, Resuscitation And Intensive Therapy / Анестезиология, реанимация и интенсивная терапия						
Б1.В.ДВ.09.02	Reconstructive Surgery / Реконструктивно-восстановительная хирургия						
Б1.В.ДВ.10	Elective disciplines 8 (1 из 3) / Элективные дисциплины 8 (1 из 3)						
Б1.В.ДВ.10.01	Veterinary Ophthalmology / Ветеринарная офтальмология						
Б1.В.ДВ.10.02	Behavioral Medicine / Поведенческая медицина						
Б1.В.ДВ.10.03	Animal Dentistry / Стоматология животных						

Блок 2.Практика							
Обязательная часть							
Б2.О.01	Base component / Базовая компонента						
Б2.О.01.01(У)	Educational Practice / Учебная практика	GC-1.1; GC-1.2; GC-1.3; GC-1.4; GC-1.5;	GC-2.1; GC-2.2; GC-2.3; GC-2.4; GC-2.5;	GC-3.1; GC-3.2; GC-3.3; GC-3.4; GC-3.5; GC-3.6;	GC-4.1; GC-4.2; GC-4.3; GC-4.4; GC-4.5; GC-4.6; GC-4.7;	GC-5.1; GC-5.2; GC-5.3; GC-5.4; GC-5.5; GC-5.6;	GC-6.1; GC-6.2; GC-6.3; GC-6.4; GC-6.5; GC-6.6; GC-6.7;
Б2.О.02	Variable component / Вариативная компонента						
Б2.О.02.01(П)	Clinical Industrial Practice / Клиническая производственная практика						
Часть, формируемая участниками образовательных отношений							
Б2.В.ДВ.01	Elective practices / Элективные практики						
Б2.В.ДВ.01.01(П)	Clinical Internship						
Б2.В.ДВ.01.02(П)	Industrial Research Practice / Производственно- исследовательская практика						
Блок 3.Государственная итоговая аттестация							
Обязательная часть							
Б3.О.ДВ.01	State Final Certification / Государственная итоговая аттестация						
Б3.О.ДВ.01.01	Block 1						
Б3.О.ДВ.01.01.01(Г)	Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена	GC-1.1; GC-1.2; GC-1.3; GC-1.4; GC-1.5;	GC-2.1; GC-2.2; GC-2.3; GC-2.4; GC-2.5;	GC-3.1; GC-3.2; GC-3.3; GC-3.4; GC-3.5; GC-3.6;	GC-4.1; GC-4.2; GC-4.3; GC-4.4; GC-4.5; GC-4.6;	GC-5.1; GC-5.2; GC-5.3; GC-5.4; GC-5.5; GC-5.6;	GC-6.1; GC-6.2; GC-6.3; GC-6.4; GC-6.5; GC-6.6;

					GC-4.7;		GC-6.7;
БЗ.О.ДВ.01.02	Block 2						
БЗ.О.ДВ.01.02.01(Г)	Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена	GC-1.1; GC-1.2; GC-1.3; GC-1.4; GC-1.5;	GC-2.1; GC-2.2; GC-2.3; GC-2.4; GC-2.5;	GC-3.1; GC-3.2; GC-3.3; GC-3.4; GC-3.5; GC-3.6;	GC-4.1; GC-4.2; GC-4.3; GC-4.4; GC-4.5; GC-4.6; GC-4.7;	GC-5.1; GC-5.2; GC-5.3; GC-5.4; GC-5.5; GC-5.6;	GC-6.1; GC-6.2; GC-6.3; GC-6.4; GC-6.5; GC-6.6; GC-6.7;
БЗ.О.ДВ.01.02.02(Д)	Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы	GC-1.1; GC-1.2; GC-1.3; GC-1.4; GC-1.5;	GC-2.1; GC-2.2; GC-2.3; GC-2.4; GC-2.5;	GC-3.1; GC-3.2; GC-3.3; GC-3.4; GC-3.5; GC-3.6;	GC-4.1; GC-4.2; GC-4.3; GC-4.4; GC-4.5; GC-4.6; GC-4.7;	GC-5.1; GC-5.2; GC-5.3; GC-5.4; GC-5.5; GC-5.6;	GC-6.1; GC-6.2; GC-6.3; GC-6.4; GC-6.5; GC-6.6; GC-6.7;
ФТД.Факультативы							
Часть, формируемая участниками образовательных отношений							
ФТД.В.01	Russian Language for Foreign Students / Русский язык для иностранных студентов				GC-4.1; GC-4.2; GC-4.3;		

code	Name of disciplines/modules forming competencies of students	UNIVERSAL COMPETENCIES					
		GC-7 Ability to maintain an adequate level of physical fitness to ensure full social and professional activity..	GC-8 Ability to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure sustainable development of society, including during the threat and occurrence of emergencies and military conflicts..	GC-9 Ability to use basic defectological knowledge in social and professional spheres.	GC-10 Ability to make informed economic decisions in various areas of life..	GC-11 Ability to form an intolerant attitude towards corrupt behavior.	GC-12 Ability to search for necessary information sources and data, perceive, analyze, memorize, and transmit information using digital tools, as well as through algorithms when working with data obtained from various sources, in order to effectively use the obtained information to solve problems; to evaluate information, its reliability, and to draw logical conclusions based on incoming information and data.

БЛОК 1.	Дисциплины (модули)						
Б1.0	Обязательная часть						
Б1.0.01	Base component / Базовая компонента						
Б1.О.01.01	History of Russia / История России						
Б1.О.01.02	Maths / Математика						GC-12.1
Б1.О.01.03	History of Religions in Russia / История религий России						
Б1.О.01.04	Fundamentals of Russian Statehood / Основы российской государственности						
Б1.О.01.05	Basic Military Training, Life Safety / Безопасность жизнедеятельности. Основы военной подготовки		GC-8.1; GC-8.2; GC-8.3; GC-8.4; GC-8.5; GC-8.6;				
Б1.О.01.06	Digital Literacy / Цифровая грамотность						GC-12.2
Б1.О.01.07	Law Science / Правоведение					GC-11.1; GC-11.2; GC-11.3	
Б1.О.01.08	Philosophy / Философия						
Б1.О.01.09	Physical Education / Физическая культура	GC -7.1; GC -7.2; GC -7.3					
Б1.О.01.10	Inorganic and Analytical Chemistry / Неорганическая и аналитическая химия		GC -8.1; GC -8.2				
Б1.О.01.11	Organic Chemistry / Органическая химия		GC -8.1; GC -8.2				
Б1.О.01.12	Biology with Basic Ecology / Биология с основами экологии						

B1.O.01.13	Biophysics / Биологическая физика		GC -8.1; GC -8.2				
B1.O.01.14	Physical and Colloidal Chemistry / Физическая и коллоидная химия						
B1.O.01.15	Biological Chemistry / Биологическая химия						
B1.O.01.16	Anatomy of Animals / Анатомия животных						
B1.O.01.17	Latin language / Латинский язык						
B1.O.01.18	Cytology, Histology and Embryology / Цитология, гистология и эмбриология						
B1.O.01.19	Veterinary Microbiology and Mycology / Ветеринарная микробиология и микология		GC -8.1; GC -8.2; GC -8.3				
B1.O.01.20	Virology and Biotechnology / Вирусология и биотехнология		GC -8.1; GC -8.2; GC -8.3				
B1.O.01.21	Physiology and Ethology of Animals / Физиология и этология животных						
B1.O.01.22	Animal Breeding with Basics of Private Husbandry / Разведение животных с основами частной зоотехнии						
B1.O.01.23	Animal Health and Welfare / Здоровье и благополучие животных						
B1.O.01.24	Animal Nutrition and Feeding with Basics of Feed Production / Кормление животных с основами кормопроизводства						
B1.O.01.25	Pathologic Physiology / Патологическая физиология						
B1.O.01.26	Veterinary Pharmacology / Ветеринарная фармакология						
B1.O.01.27	Clinical Diagnostics / Клиническая диагностика						

Б1.О.01.28	Pathological Anatomy / Патологическая анатомия						
Б1.О.01.29	Operative Surgery with Topographic Anatomy / Оперативная хирургия с топографической анатомией						
Б1.О.01.30	Instrumental Diagnostic Methods with Elements of Artificial Intelligence Technology / Инструментальные методы диагностики с элементами технологии искусственного интеллекта						
Б1.О.01.31	Toxicology / Токсикология						
Б1.О.01.32	Obstetrics, Gynecology and Andrology / Акушерство, гинекология и андрология						
Б1.О.01.33	Internal Diseases / Внутренние незаразные болезни						
Б1.О.01.34	General Surgery / Общая хирургия						
Б1.О.01.35	Private Surgery / Частная ветеринарная хирургия						
Б1.О.01.36	Parasitology and Invasive Diseases / Паразитология и инвазионные болезни						
Б1.О.01.37	Epidemiology and Infectious Diseases / Эпизоотология и инфекционные болезни						
Б1.О.01.38	Veterinary and Sanitary Expertise / Ветеринарно-санитарная экспертиза						
Б1.О.01.39	Organization of Veterinary Management with the Basics of Project Activities / Организация ветеринарного дела с основами проектной деятельности						

B1.O.01.ДВ.01	Foreign Language / Иностранный язык						
B1.O.01.ДВ.01.01	Foreign Language / Иностранный язык						
B1.O.01.ДВ.01.02	Russian as a Foreign Language / Русский язык (как иностранный)						
B1.O.02	Variable component / Вариативная компонента						
B1.O.02.01	Russian Language and Culture of Speech / Русский язык и культура речи						
B1.O.02.02	Introduction to Specialty /Введение в специальность						
B1.O.02.03	Political science / Политология						
B1.O.02.04	Immunology / Иммунология						
B1.O.02.05	Veterinary Sanitation / Ветеринарная санитария						
B1.O.02.06	Technology of Animal Products Processing / Технология переработки продукции животноводства						
B1.O.02.07	Veterinary Deontology / Ветеринарная деонтология			GC -9.2; GC -9.3			
B1.O.02.08	Laboratory Diagnostics with Elements of Artificial Intelligence Technology / Лабораторная диагностика с элементами технологии искусственного интеллекта						
B1.O.02.09	Organization of State Veterinary Supervision / Организация государственного ветеринарного надзора						
B1.O.02.10	Veterinary Genetics / Ветеринарная генетика						

B1.O.02.11	Veterinary Radiobiology / Ветеринарная радиобиология		GC -8.1; GC -8.2; GC - 8.3				
B1.O.02.12	Forensic Veterinary Examination and Necropsy / Судебная ветеринарная экспертиза и вскрытие животных						
B1.O.02.13	Biometrics, Biostatistics and Data Analysis in Veterinary Medicine / Биометрия, биостатистика и анализ данных в ветеринарной медицине						GC -12.2
B1.O.02.14	Агроэкология / Агроэкология						
B1.O.02.ДВ.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности						
B1.O.02.ДВ.01.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности						
B1.O.02.ДВ.01.02	Professional Russian Language / Русский язык (как иностранный) в профессиональной деятельности						
Часть, формируемая участниками образовательных отношений							
B1.B.ДВ.01	Applied Physical Education / Прикладная физическая культура	GC -7.1; GC -7.2; GC -7.3					
B1.B.ДВ.01.01	Applied Physical Education / Прикладная физическая культура	GC -7.1; GC -7.2; GC -7.3					
B1.B.ДВ.02	Interdisciplinary Module / Междисциплинарный модуль						

Б1.В.ДВ.02.01	Disciplines of the Interdisciplinary Module / Дисциплины междисциплинарного модуля						
Б1.В.ДВ.03	Elective disciplines 1 (1 из 2) / Элективные дисциплины 1 (1 из 2)						
Б1.В.ДВ.03.01	Medicinal and Poisonous Plants / Лекарственные и ядовитые растения						
Б1.В.ДВ.03.02	Fodder Plants / Кормовые растения						
Б1.В.ДВ.04	Elective disciplines 2 (1 из 2) / Элективные дисциплины 2 (1 из 2)						
Б1.В.ДВ.04.01	Zoopsychology / Зоопсихология						
Б1.В.ДВ.04.02	Здоровье и благополучие животных / Animal Health and Welfare						
Б1.В.ДВ.05	Elective disciplines 3 (1 из 2) / Элективные дисциплины 3 (1 из 2)						
Б1.В.ДВ.05.01	Veterinary Assistant Skills / Навыки ассистента ветеринарного врача						
Б1.В.ДВ.05.02	Fish Pathology and Aquaculture / Патология рыб и аквакультура						
Б1.В.ДВ.06	Elective disciplines 4 (1 из 2) / Элективные дисциплины 4 (1 из 2)						
Б1.В.ДВ.06.01	Equine Diseases / Болезни лошадей						
Б1.В.ДВ.06.02	Diseases of Farm Animals / Болезни продуктивных животных						
Б1.В.ДВ.07	Elective disciplines 5 (1 из 3) / Элективные дисциплины 5 (1 из 3)						
Б1.В.ДВ.07.01	Small Animal Diseases / Болезни мелких домашних животных						

Б1.В.ДВ.07.02	Bee Diseases and Entomophages / Болезни пчел и энтомофаги						
Б1.В.ДВ.07.03	Exotic Animal Diseases / Болезни экзотических животных						
Б1.В.ДВ.08	Elective disciplines 6 (1 из 6) / Элективные дисциплины 6 (1 из 6)						
Б1.В.ДВ.08.01	Dermatology / Дерматология						
Б1.В.ДВ.08.02	Cardiology / Кардиология						
Б1.В.ДВ.08.03	Endocrinology / Эндокринология						
Б1.В.ДВ.08.04	Oncology / Онкология						
Б1.В.ДВ.08.05	Neurology / Неврология						
Б1.В.ДВ.08.06	Nephrology / Нефрология						
Б1.В.ДВ.09	Elective disciplines 7 (1 из 2) / Элективные дисциплины 7 (1 из 2)						
Б1.В.ДВ.09.01	Anesthesiology, Resuscitation And Intensive Therapy / Анестезиология, реанимация и интенсивная терапия						
Б1.В.ДВ.09.02	Reconstructive Surgery / Реконструктивно- восстановительная хирургия						
Б1.В.ДВ.10	Elective disciplines 8 (1 из 3) / Элективные дисциплины 8 (1 из 3)						
Б1.В.ДВ.10.01	Veterinary Ophthalmology / Ветеринарная офтальмология						
Б1.В.ДВ.10.02	Behavioral Medicine / Поведенческая медицина						
Б1.В.ДВ.10.03	Animal Dentistry / Стоматология животных						
Блок 2. Практика							
Обязательная часть							
Б2.О.01	Base component / Базовая компонента						

Б2.О.01.01(У)	Educational Practice / Учебная практика		GC-8.1; GC-8.2; GC-8.3; GC-8.4; GC-8.5; GC-8.6;	GC-9.1; GC-9.2; GC-9.3;	GC-10.1; GC-10.2; GC-10.3;	GC-11.1; GC-11.2; GC-11.3;	GC-12.1; GC-12.2;
Б2.О.02	Variable component / Вариативная компонента						
Б2.О.02.01(П)	Clinical Industrial Practice / Клиническая производственная практика						
Часть, формируемая участниками образовательных отношений							
Б2.В.ДВ.01	Elective practices / Элективные практики						
Б2.В.ДВ.01.01(П)	Clinical Internship						
Б2.В.ДВ.01.02(П)	Industrial Research Practice / Производственно-исследовательская практика						
Блок 3.Государственная итоговая аттестация							
Обязательная часть							
Б3.О.ДВ.01	State Final Certification / Государственная итоговая аттестация						
Б3.О.ДВ.01.01	Block 1						
Б3.О.ДВ.01.01.01(Г)	Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена	GC-7.1; GC-7.2; GC-7.3;	GC-8.1; GC-8.2; GC-8.3; GC-8.4; GC-8.5; GC-8.6;	GC-9.1; GC-9.2; GC-9.3;	GC-10.1; GC-10.2; GC-10.3;	GC-11.1; GC-11.2; GC-11.3	GC-12.1; GC-12.2;
Б3.О.ДВ.01.02	Block 2						

БЗ.О.ДВ.01.02.01(Г)	Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена	GC-7.1; GC-7.2; GC-7.3;	GC-8.1; GC-8.2; GC-8.3; GC-8.4; GC-8.5; GC-8.6;	GC-9.1; GC-9.2; GC-9.3;	GC-10.1; GC-10.2; GC-10.3;	GC-11.1; GC-11.2; GC-11.3	GC-12.1; GC-12.2;
БЗ.О.ДВ.01.02.02(Д)	Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы	GC-7.1; GC-7.2; GC-7.3;	GC-8.1; GC-8.2; GC-8.3; GC-8.4; GC-8.5; GC-8.6;	GC-9.1; GC-9.2; GC-9.3;	GC-10.1; GC-10.2; GC-10.3;	GC-11.1; GC-11.2; GC-11.3	GC-12.1; GC-12.2;
ФТД.Факультативы							
Часть, формируемая участниками образовательных отношений							
ФТД.В.01	Russian Language for Foreign Students / Русский язык для иностранных студентов						

code	Name of disciplines/modules forming competencies of students	GENERAL PROFESSIONAL COMPETENCIES	
		GPC-1 Ability to determine the biological status and standard clinical indicators of the organs and systems of animals.	GPC-2 Ability to interpret and evaluate in professional activities the influence of natural, socio-economic, genetic, and economic factors on the physiological state of animals.
		GPC-3 Ability to carry out and improve professional activities in accordance with regulatory legal acts in the agro-industrial sector.	GPC-4 Ability to use methods for solving tasks with the use of modern equipment when developing new technologies and to use modern professional methodology for conducting experimental research and interpreting its results.
		GPC-5 Ability to prepare special documentation, analyze the results of professional activity, and present reporting documents using specialized databases.	GPC-6 Ability to analyze, identify, and assess the risk of occurrence and spread of diseases.
		GPC-7 Ability to understand the principles of operation of modern information technologies and use them to solve professional tasks..	

БЛОК 1.	Дисциплины (модули)							
Б1.0	Обязательная часть							
Б1.0.01	Base component / Базовая компонента							
Б1.О.01.01	History of Russia / История России							
Б1.О.01.02	Maths / Математика				GPC-4.1; GPC -4.2			
Б1.О.01.03	History of Religions in Russia / История религий России							
Б1.О.01.04	Fundamentals of Russian Statehood / Основы российской государственности							
Б1.О.01.05	Basic Military Training. Life Safety / Безопасность жизнедеятельности. Основы военной подготовки							
Б1.О.01.06	Digital Literacy / Цифровая грамотность							GPC - 7.1
Б1.О.01.07	Law Science / Правоведение			GPC - 3.1; GPC -3.2; GPC -3.3				
Б1.О.01.08	Philosophy / Философия							
Б1.О.01.09	Physical Education / Физическая культура							
Б1.О.01.10	Inorganic and Analytical Chemistry / Неорганическая и аналитическая химия				GPC -4.1; GPC -4.3; GPC -4.4			
Б1.О.01.11	Organic Chemistry / Органическая химия				GPC -4.1; GPC -4.3; GPC -4.4			
Б1.О.01.12	Biology with Basic Ecology / Биология с основами экологии		GPC - 2.1		GPC -4.2; GPC -4.4			

B1.O.01.13	Biophysics / Биологическая физика				GPC -4.1; GPC -4.3; GPC -4.4			
B1.O.01.14	Physical and Colloidal Chemistry / Физическая и коллоидная химия				GPC -4.1; GPC -4.3; GPC -4.4			
B1.O.01.15	Biological Chemistry / Биологическая химия				GPC -4.1; GPC -4.3; GPC -4.4			
B1.O.01.16	Anatomy of Animals / Анатомия животных	GPC - 1.1				PC-5.4		
B1.O.01.17	Latin language / Латинский язык					GPC -5.2		
B1.O.01.18	Cytology, Histology and Embryology / Цитология, гистология и эмбриология							
B1.O.01.19	Veterinary Microbiology and Mycology / Ветеринарная микробиология и микология							
B1.O.01.20	Virology and Biotechnology / Вирусология и биотехнология							
B1.O.01.21	Physiology and Ethology of Animals / Физиология и этология животных	GPC - 1.1						
B1.O.01.22	Animal Breeding with Basics of Private Husbandry / Разведение животных с основами частной зоотехнии		GPC - 2.1					
B1.O.01.23	Animal Health and Welfare / Здоровье и благополучие животных		GPC - 2.1; GPC - 2.2; GPC - 2.3				GPC -6.1; GPC -6.2	
B1.O.01.24	Animal Nutrition and Feeding with Basics of Feed Production /		GPC - 2.1; GPC -					

	Кормление животных с основами кормопроизводства		2.2; GPC - 2.3					
B1.O.01.25	Pathologic Physiology / Патологическая физиология	GPC - 1.2					GPC -6.1	
B1.O.01.26	Veterinary Pharmacology / Ветеринарная фармакология							
B1.O.01.27	Clinical Diagnostics / Клиническая диагностика	GPC - 1.3; GPC - 1.4						
B1.O.01.28	Pathological Anatomy / Патологическая анатомия							
B1.O.01.29	Operative Surgery with Topographic Anatomy / Оперативная хирургия с топографической анатомией	GPC - 1.4						
B1.O.01.30	Instrumental Diagnostic Methods with Elements of Artificial Intelligence Technology / Инструментальные методы диагностики с элементами технологии искусственного интеллекта							GPC - 7.3
B1.O.01.31	Toxicology / Токсикология							
B1.O.01.32	Obstetrics, Gynecology and Andrology / Акушерство, гинекология и андрология							
B1.O.01.33	Internal Diseases / Внутренние незаразные болезни							
B1.O.01.34	General Surgery / Общая хирургия							
B1.O.01.35	Private Surgery / Частная ветеринарная хирургия							
B1.O.01.36	Parasitology and Invasive Diseases / Паразитология и инвазионные болезни							

B1.O.01.37	Epidemiology and Infectious Diseases / Эпизоотология и инфекционные болезни						GPC -6.1; GPC -6.2	
B1.O.01.38	Veterinary and Sanitary Expertise / Ветеринарно-санитарная экспертиза						GPC -6.3	
B1.O.01.39	Organization of Veterinary Management with the Basics of Project Activities / Организация ветеринарного дела с основами проектной деятельности			GPC - 3.1; GPC -3.2; GPC -3.3		GPC - 5.1; GPC -5.2; GPC -5.3		GPC - 7.2; GPC - 7.4; GPC - 7.5
B1.O.01.ДВ.01	Foreign Language / Иностранный язык							
B1.O.01.ДВ.01.01	Foreign Language / Иностранный язык							
B1.O.01.ДВ.01.02	Russian as a Foreign Language / Русский язык (как иностранный)							
B1.O.02	Variable component / Вариативная компонента							
B1.O.02.01	Russian Language and Culture of Speech / Русский язык и культура речи							
B1.O.02.02	Introduction to Specialty /Введение в специальность							
B1.O.02.03	Political science / Политология							
B1.O.02.04	Immunology / Иммунология				GPC -4.1; GPC -4.3; GPC -4.4			
B1.O.02.05	Veterinary Sanitation / Ветеринарная санитария							
B1.O.02.06	Technology of Animal Products Processing / Технология переработки продукции животноводства						GPC -6.3	
B1.O.02.07	Veterinary Deontology / Ветеринарная деонтология							

Б1.О.02.08	Laboratory Diagnostics with Elements of Artificial Intelligence Technology / Лабораторная диагностика с элементами технологии искусственного интеллекта	GPC - 1.3; GPC - 1.4						
Б1.О.02.09	Organization of State Veterinary Supervision / Организация государственного ветеринарного надзора							
Б1.О.02.10	Veterinary Genetics / Ветеринарная генетика		GPC - 2.1				GPC -6.1; GPC -6.2	
Б1.О.02.11	Veterinary Radiobiology / Ветеринарная радиобиология							
Б1.О.02.12	Forensic Veterinary Examination and Necropsy / Судебная ветеринарная экспертиза и вскрытие животных							
Б1.О.02.13	Biometrics, Biostatistics and Data Analysis in Veterinary Medicine / Биометрия, биостатистика и анализ данных в ветеринарной медицине					GPC - 5.2; GPC -5.3		GPC - 7.2
Б1.О.02.14	Агроэкология / Агроэкология		GPC - 2.1					
Б1.О.02.ДВ.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности							
Б1.О.02.ДВ.01.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности							

Б1.О.02.ДВ.01.02	Professional Russian Language / Русский язык (как иностраннй) в профессиональной деятельности							
Часть, формируемая участниками образовательных отношений								
Б1.В.ДВ.01	Applied Physical Education / Прикладная физическая культура							
Б1.В.ДВ.01.01	Applied Physical Education / Прикладная физическая культура							
Б1.В.ДВ.02	Interdisciplinary Module / Междисциплинарный модуль							
Б1.В.ДВ.02.01	Disciplines of the Interdisciplinary Module / Дисциплины междисциплинарного модуля							
Б1.В.ДВ.03	Elective disciplines 1 (1 из 2) / Элективные дисциплины 1 (1 из 2)							
Б1.В.ДВ.03.01	Medicinal and Poisonous Plants / Лекарственные и ядовитые растения							
Б1.В.ДВ.03.02	Fodder Plants / Кормовые растения							
Б1.В.ДВ.04	Elective disciplines 2 (1 из 2) / Элективные дисциплины 2 (1 из 2)							
Б1.В.ДВ.04.01	Zoopsychology / Зоопсихология							
Б1.В.ДВ.04.02	Здоровье и благополучие животных / Animal Health and Welfare							

Б1.В.ДВ.05	Elective disciplines 3 (1 из 2) / Элективные дисциплины 3 (1 из 2)							
Б1.В.ДВ.05.01	Veterinary Assistant Skills / Навыки ассистента ветеринарного врача							
Б1.В.ДВ.05.02	Fish Pathology and Aquaculture / Патология рыб и аквакультура							
Б1.В.ДВ.06	Elective disciplines 4 (1 из 2) / Элективные дисциплины 4 (1 из 2)							
Б1.В.ДВ.06.01	Equine Diseases / Болезни лошадей							
Б1.В.ДВ.06.02	Diseases of Farm Animals / Болезни продуктивных животных							
Б1.В.ДВ.07	Elective disciplines 5 (1 из 3) / Элективные дисциплины 5 (1 из 3)							
Б1.В.ДВ.07.01	Small Animal Diseases / Болезни мелких домашних животных							
Б1.В.ДВ.07.02	Bee Diseases and Entomophages / Болезни пчел и энтомофаги							
Б1.В.ДВ.07.03	Exotic Animal Diseases / Болезни экзотических животных							
Б1.В.ДВ.08	Elective disciplines 6 (1 из 6) / Элективные дисциплины 6 (1 из 6)							
Б1.В.ДВ.08.01	Dermatology / Дерматология							
Б1.В.ДВ.08.02	Cardiology / Кардиология							
Б1.В.ДВ.08.03	Endocrinology / Эндокринология							
Б1.В.ДВ.08.04	Oncology / Онкология							
Б1.В.ДВ.08.05	Neurology / Неврология							
Б1.В.ДВ.08.06	Nephrology / Нефрология							

Б1.В.ДВ.09	Elective disciplines 7 (1 из 2) / Элективные дисциплины 7 (1 из 2)							
Б1.В.ДВ.09.01	Anesthesiology, Resuscitation And Intensive Therapy / Анестезиология, реанимация и интенсивная терапия							
Б1.В.ДВ.09.02	Reconstructive Surgery / Реконструктивно- восстановительная хирургия							
Б1.В.ДВ.10	Elective disciplines 8 (1 из 3) / Элективные дисциплины 8 (1 из 3)							
Б1.В.ДВ.10.01	Veterinary Ophthalmology / Ветеринарная офтальмология							
Б1.В.ДВ.10.02	Behavioral Medicine / Поведенческая медицина							
Б1.В.ДВ.10.03	Animal Dentistry / Стоматология животных							
Блок 2.Практика								
Обязательная часть								
Б2.О.01	Base component / Базовая компонента							
Б2.О.01.01(У)	Educational Practice / Учебная практика	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- 7.1; GPC- 7.2; GPC- 7.3; GPC- 7.4; GPC- 7.5;
Б2.О.02	Variable component / Вариативная компонента							

Б2.О.02.01(П)	Clinical Industrial Practice / Клиническая производственная практика	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;
Часть, формируемая участниками образовательных отношений								
Б2.В.ДВ.01	Elective practices / Элективные практики							
Б2.В.ДВ.01.01(П)	Clinical Internship	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;
Б2.В.ДВ.01.02(П)	Industrial Research Practice / Производственно- исследовательская практика	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;
Блок 3.Государственная итоговая аттестация								
Обязательная часть								

БЗ.О.ДВ.01	State Final Certification / Государственная итоговая аттестация							
БЗ.О.ДВ.01.01	Block 1							
БЗ.О.ДВ.01.01.01(Г)	Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена	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;
БЗ.О.ДВ.01.02	Block 2							
БЗ.О.ДВ.01.02.01(Г)	Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена	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;
БЗ.О.ДВ.01.02.02(Д)	Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы	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;
ФТД.Факультативы								
Часть, формируемая участниками образовательных отношений								

ФТД.В.01	Russian Language for Foreign Students / Русский язык для иностранных студентов							
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code	Name of disciplines/modules forming competencies of students	PROFESSIONAL COMPETENCIES						
		PC-1 Ability to collect the life and medical history (anamnesis) of animals to identify causes and nature of diseases.	PC-2 Ability to conduct general clinical examination of animals to establish a preliminary diagnosis and determine a further investigation plan, as well as according to the anti-epizootic and non-contagious disease prevention plans.	PC-3 Ability to develop research programs for animals using special (instrumental) and laboratory methods.	PC-4 Ability to carry out clinical studies of animals using special (instrumental) and laboratory methods to refine the diagnosis.	PC-5 Ability to make a diagnosis based on the analysis of anamnesis data, general, special (instrumental), and laboratory research methods.	PC-6 Ability to develop a treatment plan for animals based on the established diagnosis and individual animal characteristics.	PC-7 Ability to select necessary chemical and biological medicinal products for the treatment of animals, taking into account their combined pharmacological effects on the organism.
БЛОК 1.	Дисциплины (модули)							
Б1.0	Обязательная часть							
Б1.0.01	Base component / Базовая компонента							

Б1.О.01.01	History of Russia / История России							
Б1.О.01.02	Maths / Математика							
Б1.О.01.03	History of Religions in Russia / История религий России							
Б1.О.01.04	Fundamentals of Russian Statehood / Основы российской государственности							
Б1.О.01.05	Basic Military Training. Life Safety / Безопасность жизнедеятельности. Основы военной подготовки							
Б1.О.01.06	Digital Literacy / Цифровая грамотность							
Б1.О.01.07	Law Science / Правоведение							
Б1.О.01.08	Philosophy / Философия							
Б1.О.01.09	Physical Education / Физическая культура							
Б1.О.01.10	Inorganic and Analytical Chemistry / Неорганическая и аналитическая химия							
Б1.О.01.11	Organic Chemistry / Органическая химия							
Б1.О.01.12	Biology with Basic Ecology / Биология с основами экологии							
Б1.О.01.13	Biophysics / Биологическая физика							
Б1.О.01.14	Physical and Colloidal Chemistry / Физическая и коллоидная химия							
Б1.О.01.15	Biological Chemistry / Биологическая химия							
Б1.О.01.16	Anatomy of Animals / Анатомия животных							
Б1.О.01.17	Latin language / Латинский язык							
Б1.О.01.18	Cytology, Histology and Embryology / Цитология, гистология и эмбриология				РС-4.2; РС-4.4			

Б1.О.01.19	Veterinary Microbiology and Mycology / Ветеринарная микробиология и микология							
Б1.О.01.20	Virology and Biotechnology / Вирусология и биотехнология							
Б1.О.01.21	Physiology and Ethology of Animals / Физиология и этология животных							
Б1.О.01.22	Animal Breeding with Basics of Private Husbandry / Разведение животных с основами частной зоотехнии							
Б1.О.01.23	Animal Health and Welfare / Здоровье и благополучие животных							
Б1.О.01.24	Animal Nutrition and Feeding with Basics of Feed Production / Кормление животных с основами кормопроизводства							
Б1.О.01.25	Pathologic Physiology / Патологическая физиология							
Б1.О.01.26	Veterinary Pharmacology / Ветеринарная фармакология							PC -7.1; PC -7.2
Б1.О.01.27	Clinical Diagnostics / Клиническая диагностика	PC-1.1; PC-1.2; PC-1.3	PC - 2.2; PC -2.3					
Б1.О.01.28	Pathological Anatomy / Патологическая анатомия						PC -6.1	
Б1.О.01.29	Operative Surgery with Topographic Anatomy / Оперативная хирургия с топографической анатомией							

Б1.О.01.30	Instrumental Diagnostic Methods with Elements of Artificial Intelligence Technology / Инструментальные методы диагностики с элементами технологии искусственного интеллекта					PC -5.1; PC -5.2; PC -5.3; PC -5.4		
Б1.О.01.31	Toxicology / Токсикология							PC -7.1; PC -7.2
Б1.О.01.32	Obstetrics, Gynecology and Andrology / Акушерство, гинекология и андрология			PC-3.1; PC-3.2; PC-3.3;			PC-6.1; PC-6.2; PC-6.3; PC-6.4;	
Б1.О.01.33	Internal Diseases / Внутренние незаразные болезни			PC-3.1; PC-3.2; PC-3.3;			PC-6.1; PC-6.2; PC-6.3; PC-6.4;	
Б1.О.01.34	General Surgery / Общая хирургия			PC-3.1; PC-3.2; PC-3.3;			PC-6.1; PC-6.2; PC-6.3; PC-6.4;	
Б1.О.01.35	Private Surgery / Частная ветеринарная хирургия			PC-3.1; PC-3.2; PC-3.3;			PC-6.1; PC-6.2; PC-6.3; PC-6.4;	
Б1.О.01.36	Parasitology and Invasive Diseases / Паразитология и инвазионные болезни			PC-3.1; PC-3.2; PC-3.3;			PC-6.1; PC-6.2; PC-6.3; PC-6.4;	
Б1.О.01.37	Epidemiology and Infectious Diseases / Эпизоотология и инфекционные болезни						PC-6.1; PC-6.2; PC-6.3; PC-6.4;	
Б1.О.01.38	Veterinary and Sanitary Expertise / Ветеринарно-санитарная экспертиза							

B1.O.01.39	Organization of Veterinary Management with the Basics of Project Activities / Организация ветеринарного дела с основами проектной деятельности							
B1.O.01.ДВ.01	Foreign Language / Иностранный язык							
B1.O.01.ДВ.01.01	Foreign Language / Иностранный язык							
B1.O.01.ДВ.01.02	Russian as a Foreign Language / Русский язык (как иностранный)							
B1.O.02	Variable component / Вариативная компонента							
B1.O.02.01	Russian Language and Culture of Speech / Русский язык и культура речи							
B1.O.02.02	Introduction to Specialty / Введение в специальность							
B1.O.02.03	Political science / Политология							
B1.O.02.04	Immunology / Иммунология							
B1.O.02.05	Veterinary Sanitation / Ветеринарная санитария							
B1.O.02.06	Technology of Animal Products Processing / Технология переработки продукции животноводства							
B1.O.02.07	Veterinary Deontology / Ветеринарная деонтология							
B1.O.02.08	Laboratory Diagnostics with Elements of Artificial Intelligence Technology / Лабораторная диагностика с элементами технологии искусственного интеллекта				PC-4.1; PC -4.2; PC -4.3; PC -4.4			
B1.O.02.09	Organization of State Veterinary Supervision / Организация государственного ветеринарного надзора							

B1.O.02.10	Veterinary Genetics / Ветеринарная генетика							
B1.O.02.11	Veterinary Radiobiology / Ветеринарная радиобиология							
B1.O.02.12	Forensic Veterinary Examination and Necropsy / Судебная ветеринарная экспертиза и вскрытие животных							
B1.O.02.13	Biometrics, Biostatistics and Data Analysis in Veterinary Medicine / Биометрия, биостатистика и анализ данных в ветеринарной медицине							
B1.O.02.14	Agroecology / Агроэкология							
B1.O.02.ДВ.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности							
B1.O.02.ДВ.01.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности							
B1.O.02.ДВ.01.02	Professional Russian Language / Русский язык (как иностранный) в профессиональной деятельности							
Часть, формируемая участниками образовательных отношений								
B1.B.ДВ.01	Applied Physical Education / Прикладная физическая культура							
B1.B.ДВ.01.01	Applied Physical Education / Прикладная физическая культура							
B1.B.ДВ.02	Interdisciplinary Module / Междисциплинарный модуль							
B1.B.ДВ.02.01	Disciplines of the Interdisciplinary Module / Дисциплины междисциплинарного модуля							

Б1.В.ДВ.03	Elective disciplines 1 (1 из 2) / Элективные дисциплины 1 (1 из 2)							
Б1.В.ДВ.03.01	Medicinal and Poisonous Plants / Лекарственные и ядовитые растения							
Б1.В.ДВ.03.02	Fodder Plants / Кормовые растения							
Б1.В.ДВ.04	Elective disciplines 2 (1 из 2) / Элективные дисциплины 2 (1 из 2)							
Б1.В.ДВ.04.01	Zoopsychology / Зоопсихология							
Б1.В.ДВ.04.02	Здоровье и благополучие животных / Animal Health and Welfare							
Б1.В.ДВ.05	Elective disciplines 3 (1 из 2) / Элективные дисциплины 3 (1 из 2)					PC -5.3		
Б1.В.ДВ.05.01	Veterinary Assistant Skills / Навыки ассистента ветеринарного врача					PC -5.3		
Б1.В.ДВ.05.02	Fish Pathology and Aquaculture / Патология рыб и аквакультура	PC-1.1; PC-1.2; PC-1.3;	PC-2.1; PC-2.2; PC-2.3; PC-2.4;					
Б1.В.ДВ.06	Elective disciplines 4 (1 из 2) / Элективные дисциплины 4 (1 из 2)	PC-1.1; PC-1.2; PC-1.3;	PC-2.1; PC-2.2; PC-2.3;					
Б1.В.ДВ.06.01	Equine Diseases / Болезни лошадей	PC-1.1; PC-1.2; PC-1.3;	PC-2.1; PC-2.2; PC-2.3;					
Б1.В.ДВ.06.02	Diseases of Farm Animals / Болезни продуктивных животных	PC-1.1; PC-1.2; PC-1.3;	PC-2.1; PC-2.2; PC-2.3;					

Б1.В.ДВ.07	Elective disciplines 5 (1 из 3) / Элективные дисциплины 5 (1 из 3)	PC-1.1; PC-1.2; PC-1.3;	PC-2.1; PC-2.2; PC-2.3;					
Б1.В.ДВ.07.01	Small Animal Diseases / Болезни мелких домашних животных	PC-1.1; PC-1.2; PC-1.3;	PC-2.1; PC-2.2; PC-2.3;					
Б1.В.ДВ.07.02	Bee Diseases and Entomophages / Болезни пчел и энтомофаги	PC-1.1; PC-1.2; PC-1.3;	PC-2.1; PC-2.2; PC-2.3;					
Б1.В.ДВ.07.03	Exotic Animal Diseases / Болезни экзотических животных	PC-1.1; PC-1.2; PC-1.3;	PC-2.1; PC-2.2; PC-2.3;					
Б1.В.ДВ.08	Elective disciplines 6 (1 из 6) / Элективные дисциплины 6 (1 из 6)			PC-3.1; PC-3.2; PC-3.3;		PC-5.2; PC-5.3; PC-5.4;		PC-7.2; PC-7.3; PC-7.4;
Б1.В.ДВ.08.01	Dermatology / Дерматология			PC-3.1; PC-3.2; PC-3.3;				PC-7.1; PC-7.2; PC-7.3; PC-7.4;
Б1.В.ДВ.08.02	Cardiology / Кардиология			PC-3.1; PC-3.2; PC-3.3;				PC-7.2; PC-7.3; PC-7.4;
Б1.В.ДВ.08.03	Endocrinology / Эндокринология			PC-3.1; PC-3.2; PC-3.3;				PC-7.2; PC-7.3; PC-7.4;
Б1.В.ДВ.08.04	Oncology / Онкология			PC-3.1; PC-3.2; PC-3.3;				PC-7.2; PC-7.3; PC-7.4;
Б1.В.ДВ.08.05	Neurology / Неврология			PC-3.1; PC-3.2; PC-3.3;				PC-7.2; PC-7.3; PC-7.4;

Б1.В.ДВ.08.06	Nephrology / Нефрология			PC-3.1; PC-3.2; PC-3.3;				PC-7.2; PC-7.3; PC-7.4;
Б1.В.ДВ.09	Elective disciplines 7 (1 из 2) / Элективные дисциплины 7 (1 из 2)			PC-3.1; PC-3.2; PC-3.3;				PC-7.1; PC-7.2; PC-7.3; PC-7.4;
Б1.В.ДВ.09.01	Anesthesiology, Resuscitation And Intensive Therapy / Анестезиология, реанимация и интенсивная терапия			PC-3.1; PC-3.2; PC-3.3;				PC-7.1; PC-7.2; PC-7.3; PC-7.4;
Б1.В.ДВ.09.02	Reconstructive Surgery / Реконструктивно- восстановительная хирургия			PC-3.1; PC-3.2; PC-3.3;		PC-5.2; PC-5.3; PC-5.4;		
Б1.В.ДВ.10	Elective disciplines 8 (1 из 3) / Элективные дисциплины 8 (1 из 3)			PC-3.1; PC-3.2; PC-3.3;		PC-5.2; PC-5.3; PC-5.4;		
Б1.В.ДВ.10.01	Veterinary Ophthalmology / Ветеринарная офтальмология			PC-3.1; PC-3.2; PC-3.3;		PC-5.2; PC-5.3; PC-5.4;		
Б1.В.ДВ.10.02	Behavioral Medicine / Поведенческая медицина			PC-3.1; PC-3.2; PC-3.3;				PC-7.1; PC-7.2; PC-7.3; PC-7.4;
Б1.В.ДВ.10.03	Animal Dentistry / Стоматология животных			PC-3.1; PC-3.2; PC-3.3;		PC-5.2; PC-5.3; PC-5.4;		
Блок 2.Практика								
Обязательная часть								
Б2.О.01	Elective practices / Элективные практики							

Б2.О.01.01(У)	Clinical Internship	ПК-1.1; ПК-1.2; ПК-1.3	ПК-2.1; ПК-2.2; ПК-2.3; ПК-2.4					
Б2.О.02	Industrial Research Practice / Производственно- исследовательская практика							
Б2.О.02.01(П)	Elective practices / Элективные практики	ПК-1.1; ПК-1.2; ПК-1.3	ПК-2.1; ПК-2.2; ПК-2.3; ПК-2.4	РС-3.1; РС-3.2; РС-3.3;	РС-4.1; РС-4.2; РС-4.3; РС-4.4;	РС-5.1; РС-5.2; РС-5.3; РС-5.4;	РС-6.1; РС-6.2; РС-6.3; РС-6.4;	РС-7.1; РС-7.2; РС-7.3; РС-7.4;
Часть, формируемая участниками образовательных отношений								
Б2.В.ДВ.01	Elective practices / Элективные практики							
Б2.В.ДВ.01.01(П)	Clinical Internship	ПК-1.1; ПК-1.2; ПК-1.3	ПК-2.1; ПК-2.2; ПК-2.3; ПК-2.4	РС-3.1; РС-3.2; РС-3.3;	РС-4.1; РС-4.2; РС-4.3; РС-4.4;	РС-5.1; РС-5.2; РС-5.3; РС-5.4;	РС-6.1; РС-6.2; РС-6.3; РС-6.4;	РС-7.1; РС-7.2; РС-7.3; РС-7.4;
Б2.В.ДВ.01.02(П)	Industrial Research Practice / Производственно- исследовательская практика	ПК-1.1; ПК-1.2; ПК-1.3	ПК-2.1; ПК-2.2; ПК-2.3; ПК-2.4	РС-3.1; РС-3.2; РС-3.3;	РС-4.1; РС-4.2; РС-4.3; РС-4.4;	РС-5.1; РС-5.2; РС-5.3; РС-5.4;	РС-6.1; РС-6.2; РС-6.3; РС-6.4;	РС-7.1; РС-7.2; РС-7.3; РС-7.4;
Блок 3.Государственная итоговая аттестация								
Обязательная часть								
Б3.О.ДВ.01	State Final Certification / Государственная итоговая аттестация							
Б3.О.ДВ.01.01	Block 1							
Б3.О.ДВ.01.01.01(Г)	Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена	ПК-1.1; ПК-1.2; ПК-1.3	ПК-2.1; ПК-2.2; ПК-2.3; ПК-2.4	РС-3.1; РС-3.2; РС-3.3;	РС-4.1; РС-4.2; РС-4.3; РС-4.4;	РС-5.1; РС-5.2; РС-5.3; РС-5.4;	РС-6.1; РС-6.2; РС-6.3; РС-6.4;	РС-7.1; РС-7.2; РС-7.3; РС-7.4;
Б3.О.ДВ.01.02	Block 2							

БЗ.О.ДВ.01.02.01(Г)	Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена	ПК-1.1; ПК-1.2; ПК-1.3	ПК-2.1; ПК-2.2; ПК-2.3; ПК-2.4	РС-3.1; РС-3.2; РС-3.3;	РС-4.1; РС-4.2; РС-4.3; РС-4.4;	РС-5.1; РС-5.2; РС-5.3; РС-5.4;	РС-6.1; РС-6.2; РС-6.3; РС-6.4;	РС-7.1; РС-7.2; РС-7.3; РС-7.4;
БЗ.О.ДВ.01.02.02(Д)	Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы	ПК-1.1; ПК-1.2; ПК-1.3	ПК-2.1; ПК-2.2; ПК-2.3; ПК-2.4	РС-3.1; РС-3.2; РС-3.3;	РС-4.1; РС-4.2; РС-4.3; РС-4.4;	РС-5.1; РС-5.2; РС-5.3; РС-5.4;	РС-6.1; РС-6.2; РС-6.3; РС-6.4;	РС-7.1; РС-7.2; РС-7.3; РС-7.4;
ФТД.Факультативы								
Часть, формируемая участниками образовательных отношений								
ФТД.В.01	Russian Language for Foreign Students / Русский язык для иностранных студентов							

code	Name of disciplines/modules forming competencies of students	PROFESSIONAL COMPETENCIES						
		PC-8 Ability to select methods of non-drug therapy, including physiotherapy methods, for the treatment of animals.	PC-9 Ability to perform therapeutic, including physiotherapeutic, procedures using special equipment while observing safety regulations.	PC-10 Ability to determine the necessity of using surgical methods for the treatment of animals.	PC-11 Ability to develop a surgical operation plan, including the choice of anesthesia method.	PC-12 Ability to perform surgical interventions on animals for the treatment of various diseases, castration, sterilization, and cosmetic purposes.	PC-13 Ability to develop dietary recommendations for the special feeding of sick animals for therapeutic purposes.	PC-14 Ability to conduct repeated examinations and investigations of animals to assess the effectiveness and safety of the prescribed treatment and, if necessary, adjust the treatment plan based on the results of treatment evaluation.
БЛОК 1.	Дисциплины (модули)							
Б1.0	Обязательная часть							
Б1.0.01	Base component / Базовая компонента							
Б1.О.01.01	History of Russia / История России							
Б1.О.01.02	Maths / Математика							

Б1.О.01.03	History of Religions in Russia / История религий России							
Б1.О.01.04	Fundamentals of Russian Statehood / Основы российской государственности							
Б1.О.01.05	Basic Military Training. Life Safety / Безопасность жизнедеятельности. Основы военной подготовки							
Б1.О.01.06	Digital Literacy / Цифровая грамотность							
Б1.О.01.07	Law Science / Правоведение							
Б1.О.01.08	Philosophy / Философия							
Б1.О.01.09	Physical Education / Физическая культура							
Б1.О.01.10	Inorganic and Analytical Chemistry / Неорганическая и аналитическая химия							
Б1.О.01.11	Organic Chemistry / Органическая химия							
Б1.О.01.12	Biology with Basic Ecology / Биология с основами экологии							
Б1.О.01.13	Biophysics / Биологическая физика							
Б1.О.01.14	Physical and Colloidal Chemistry / Физическая и коллоидная химия							
Б1.О.01.15	Biological Chemistry / Биологическая химия							
Б1.О.01.16	Anatomy of Animals / Анатомия животных							
Б1.О.01.17	Latin language / Латинский язык							
Б1.О.01.18	Cytology, Histology and Embryology / Цитология, гистология и эмбриология							
Б1.О.01.19	Veterinary Microbiology and Mycology / Ветеринарная микробиология и микология							

Б1.О.01.20	Virology and Biotechnology / Вирусология и биотехнология							
Б1.О.01.21	Physiology and Ethology of Animals / Физиология и этология животных							
Б1.О.01.22	Animal Breeding with Basics of Private Husbandry / Разведение животных с основами частной зоотехнии							
Б1.О.01.23	Animal Health and Welfare / Здоровье и благополучие животных							PC-14.3
Б1.О.01.24	Animal Nutrition and Feeding with Basics of Feed Production / Кормление животных с основами кормопроизводства			PC -10.1; PC -10.2; PC -10.3; PC -10.4				
Б1.О.01.25	Pathologic Physiology / Патологическая физиология							
Б1.О.01.26	Veterinary Pharmacology / Ветеринарная фармакология							
Б1.О.01.27	Clinical Diagnostics/ Клиническая диагностика							
Б1.О.01.28	Pathological Anatomy / Патологическая анатомия							PC -14.1; PC -14.2; PC - 14.3
Б1.О.01.29	Operative Surgery with Topographic Anatomy / Оперативная хирургия с топографической анатомией		PC -9.1; PC -9.2; PC -9.3; PC -9.4					

Б1.О.01.30	Instrumental Diagnostic Methods with Elements of Artificial Intelligence Technology / Инструментальные методы диагностики с элементами технологии искусственного интеллекта							
Б1.О.01.31	Toxicology / Токсикология							
Б1.О.01.32	Obstetrics, Gynecology and Andrology / Акушерство, гинекология и андрология					PC-12.1; PC-12.2; PC-12.3;		
Б1.О.01.33	Internal Diseases / Внутренние незаразные болезни					PC-12.1; PC-12.2; PC-12.3;		
Б1.О.01.34	General Surgery / Общая хирургия					PC-12.1; PC-12.2; PC-12.3;		
Б1.О.01.35	Private Surgery / Частная ветеринарная хирургия					PC-12.1; PC-12.2; PC-12.3;		
Б1.О.01.36	Parasitology and Invasive Diseases / Паразитология и инвазионные болезни					PC-12.1; PC-12.2; PC-12.3;		
Б1.О.01.37	Epidemiology and Infectious Diseases / Эпизоотология и инфекционные болезни				PC-11.1; PC-11.2; PC-11.3			
Б1.О.01.38	Veterinary and Sanitary Expertise / Ветеринарно-санитарная экспертиза							
Б1.О.01.39	Organization of Veterinary Management with the Basics of Project Activities / Организация							

	ветеринарного дела с основами проектной деятельности							
Б1.О.01.ДВ.01	Foreign Language / Иностранный язык							
Б1.О.01.ДВ.01.01	Foreign Language / Иностранный язык							
Б1.О.01.ДВ.01.02	Russian as a Foreign Language / Русский язык (как иностранный)							
Б1.О.02	Variable component / Вариативная компонента							
Б1.О.02.01	Russian Language and Culture of Speech / Русский язык и культура речи							
Б1.О.02.02	Introduction to Specialty / Введение в специальность							
Б1.О.02.03	Political science / Политология							
Б1.О.02.04	Immunology / Иммунология							
Б1.О.02.05	Veterinary Sanitation / Ветеринарная санитария				PC-11.2; PC-11.3			
Б1.О.02.06	Technology of Animal Products Processing / Технология переработки продукции животноводства							
Б1.О.02.07	Veterinary Deontology / Ветеринарная деонтология	PC-8.1; PC-8.2; PC-8.3;						
Б1.О.02.08	Laboratory Diagnostics with Elements of Artificial Intelligence Technology / Лабораторная диагностика с элементами технологии искусственного интеллекта							
Б1.О.02.09	Organization of State Veterinary Supervision / Организация государственного ветеринарного надзора				PC-11.5			

B1.O.02.10	Veterinary Genetics / Ветеринарная генетика							
B1.O.02.11	Veterinary Radiobiology / Ветеринарная радиобиология							
B1.O.02.12	Forensic Veterinary Examination and Necropsy / Судебная ветеринарная экспертиза и вскрытие животных						PC-13.3; PC-13.4;	
B1.O.02.13	Biometrics, Biostatistics and Data Analysis in Veterinary Medicine / Биометрия, биостатистика и анализ данных в ветеринарной медицине							
B1.O.02.14	Agroecology / Агроэкология							
B1.O.02.ДВ.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности							
B1.O.02.ДВ.01.01	Professional Foreign Language / Иностранный язык в профессиональной деятельности							
B1.O.02.ДВ.01.02	Professional Russian Language / Русский язык (как иностранный) в профессиональной деятельности							
Часть, формируемая участниками образовательных отношений								
B1.B.ДВ.01	Applied Physical Education / Прикладная физическая культура							
B1.B.ДВ.01.01	Applied Physical Education / Прикладная физическая культура							
B1.B.ДВ.02	Interdisciplinary Module / Междисциплинарный модуль							
B1.B.ДВ.02.01	Disciplines of the Interdisciplinary Module / Дисциплины междисциплинарного модуля							

Б1.В.ДВ.03	Elective disciplines 1 (1 из 2) / Элективные дисциплины 1 (1 из 2)			PC-10.1				
Б1.В.ДВ.03.01	Medicinal and Poisonous Plants / Лекарственные и ядовитые растения			PC-10.1				
Б1.В.ДВ.03.02	Fodder Plants / Кормовые растения			PC-10.1				
Б1.В.ДВ.04	Elective disciplines 2 (1 из 2) / Элективные дисциплины 2 (1 из 2)							PC-14.1
Б1.В.ДВ.04.01	Zoopsychology / Зоопсихология							PC-14.1
Б1.В.ДВ.04.02	Здоровье и благополучие животных / Animal Health and Welfare							PC-14.3
Б1.В.ДВ.05	Elective disciplines 3 (1 из 2) / Элективные дисциплины 3 (1 из 2)							
Б1.В.ДВ.05.01	Veterinary Assistant Skills / Навыки ассистента ветеринарного врача							
Б1.В.ДВ.05.02	Fish Pathology and Aquaculture / Патология рыб и аквакультура							
Б1.В.ДВ.06	Elective disciplines 4 (1 из 2) / Элективные дисциплины 4 (1 из 2)			PC-10.1; PC-10.2; PC-10.3; PC-10.4;				
Б1.В.ДВ.06.01	Equine Diseases / Болезни лошадей			PC-10.1; PC-10.2; PC-10.3; PC-10.4;				
Б1.В.ДВ.06.02	Diseases of Farm Animals / Болезни продуктивных животных			PC-10.1; PC-10.2; PC-10.3; PC-10.4;				

Б1.В.ДВ.07	Elective disciplines 5 (1 из 3) / Элективные дисциплины 5 (1 из 3)			PC-10.1; PC-10.2; PC-10.3; PC-10.4;				
Б1.В.ДВ.07.01	Small Animal Diseases / Болезни мелких домашних животных			PC-10.1; PC-10.2; PC-10.3; PC-10.4;				
Б1.В.ДВ.07.02	Bee Diseases and Entomophages / Болезни пчел и энтомофаги			PC-10.1; PC-10.2; PC-10.3; PC-10.4;				
Б1.В.ДВ.07.03	Exotic Animal Diseases / Болезни экзотических животных			PC-10.1; PC-10.2; PC-10.3; PC-10.4;				
Б1.В.ДВ.08	Elective disciplines 6 (1 из 6) / Элективные дисциплины 6 (1 из 6)							
Б1.В.ДВ.08.01	Dermatology / Дерматология							
Б1.В.ДВ.08.02	Cardiology / Кардиология							
Б1.В.ДВ.08.03	Endocrinology / Эндокринология							
Б1.В.ДВ.08.04	Oncology / Онкология							
Б1.В.ДВ.08.05	Neurology / Неврология							
Б1.В.ДВ.08.06	Nephrology / Нефрология							
Б1.В.ДВ.09	Elective disciplines 7 (1 из 2) / Элективные дисциплины 7 (1 из 2)		PC-9.2					

Б1.В.ДВ.09.01	Anesthesiology, Resuscitation And Intensive Therapy / Анестезиология, реанимация и интенсивная терапия		PC-9.2					
Б1.В.ДВ.09.02	Reconstructive Surgery / Реконструктивно-восстановительная хирургия		PC-9.1					
Б1.В.ДВ.10	Elective disciplines 8 (1 из 3) / Элективные дисциплины 8 (1 из 3)		PC-9.1					
Б1.В.ДВ.10.01	Veterinary Ophthalmology / Ветеринарная офтальмология		PC-9.1					
Б1.В.ДВ.10.02	Behavioral Medicine / Поведенческая медицина	PC-8.1; PC-8.2; PC-8.3						
Б1.В.ДВ.10.03	Animal Dentistry / Стоматология животных		PC-9.1					
Блок 2.Практика								
Обязательная часть								
Б2.О.01	Base component / Базовая компонента							
Б2.О.01.01(У)	Educational Practice / Учебная практика							
Б2.О.02	Variable component / Вариативная компонента							
Б2.О.02.01(П)	Clinical Industrial Practice / Клиническая производственная практика	PC-8.1; PC-8.2; PC-8.3	PC-9.1; PC-9.2; PC-9.3; PC-9.4;	PC-10.1; PC-10.2; PC-10.3; PC-10.4;	PC-11.1; PC-11.2; PC-11.3; PC-11.4; PC-11.5;	PC-12.1; PC-12.2; PC-12.3;	PC-13.1; PC-13.2; PC-13.3; PC-13.4;	PC-14.1; PC-14.2; PC-14.3;
Часть, формируемая участниками образовательных отношений								
Б2.В.ДВ.01	Elective practices / Элективные практики							

Б2.В.ДВ.01.01(П)	Clinical Internship	PC-8.1; PC-8.2; PC-8.3	PC-9.1; PC-9.2; PC-9.3; PC-9.4;	PC-10.1; PC-10.2; PC-10.3; PC-10.4;	PC-11.1; PC-11.2; PC-11.3; PC-11.4; PC-11.5;	PC-12.1; PC-12.2; PC-12.3;	PC-13.1; PC-13.2; PC-13.3; PC-13.4;	PC-14.1; PC-14.2; PC-14.3;
Б2.В.ДВ.01.02(П)	Industrial Research Practice / Производственно- исследовательская практика	PC-8.1; PC-8.2; PC-8.3	PC-9.1; PC-9.2; PC-9.3; PC-9.4;	PC-10.1; PC-10.2; PC-10.3; PC-10.4;	PC-11.1; PC-11.2; PC-11.3; PC-11.4; PC-11.5;	PC-12.1; PC-12.2; PC-12.3;	PC-13.1; PC-13.2; PC-13.3; PC-13.4;	PC-14.1; PC-14.2; PC-14.3;
Блок 3.Государственная итоговая аттестация								
Обязательная часть								
Б3.О.ДВ.01	State Final Certification / Государственная итоговая аттестация							
Б3.О.ДВ.01.01	Block 1							
Б3.О.ДВ.01.01.01(Г)	Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена	PC-8.1; PC-8.2; PC-8.3	PC-9.1; PC-9.2; PC-9.3; PC-9.4;	PC-10.1; PC-10.2; PC-10.3; PC-10.4;	PC-11.1; PC-11.2; PC-11.3; PC-11.4; PC-11.5;	PC-12.1; PC-12.2; PC-12.3;	PC-13.1; PC-13.2; PC-13.3; PC-13.4;	PC-14.1; PC-14.2; PC-14.3;
Б3.О.ДВ.01.02	Block 2							
Б3.О.ДВ.01.02.01(Г)	Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена	PC-8.1; PC-8.2; PC-8.3	PC-9.1; PC-9.2; PC-9.3; PC-9.4;	PC-10.1; PC-10.2; PC-10.3; PC-10.4;	PC-11.1; PC-11.2; PC-11.3; PC-11.4; PC-11.5;	PC-12.1; PC-12.2; PC-12.3;	PC-13.1; PC-13.2; PC-13.3; PC-13.4;	PC-14.1; PC-14.2; PC-14.3;
Б3.О.ДВ.01.02.02(Д)	Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы	PC-8.1; PC-8.2; PC-8.3	PC-9.1; PC-9.2; PC-9.3; PC-9.4;	PC-10.1; PC-10.2; PC-10.3; PC-10.4;	PC-11.1; PC-11.2; PC-11.3; PC-11.4; PC-11.5;	PC-12.1; PC-12.2; PC-12.3;	PC-13.1; PC-13.2; PC-13.3; PC-13.4;	PC-14.1; PC-14.2; PC-14.3;
ФТД.Факультативы								
Часть, формируемая участниками образовательных отношений								

ФТД.В.01	Russian Language for Foreign Students / Русский язык для иностранных студентов							
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