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Информация о владельце:

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Уникальный программный ключ: (RUDN University)

ca953a0120d891083f939673078ef1a989dae18a Agrarian and Technological Institution

PRACTICE SYLLABUS

Biology with the basics of ecology and an introduction to the specialty

Educational

Recommended by the Methodological Council for the Education Field for Higher Education Field/ Specialization:

36.05.01. Veterinary

Practical training of students is carried out as part of the implementation of the main professional educational program of higher education (the Higher Education Program):

1. AIM OF THE PRACTICE

The purpose of the training practice "Biology with the basics of ecology and introduction to the specialty" is to consolidate the theoretical knowledge and practical skills and abilities gained in the study of the disciplines "Biology with the basics of ecology" and "Introduction to the specialty", mastering the following methods: collecting living objects in nature, biological observations, identification of insects; identification of species of mammals and birds by skulls, skins and museum stuffed animals, the study of aquatic fauna, as well as familiarization with the diversity of the fauna of Russia and adjacent territories. Acquaintance with various aspects of the activities of veterinarians, the formation of interest in the study of disciplines of subsequent courses.

2. 2. REQUIREMENTS FOR LEARNING OUTCOMES OF THE PRACTICE

Conducting "Biology with the basics of ecology and introduction to the specialty" is aimed at developing students' competencies (parts of competencies):

Table 2.1. The list of competencies formed by students during practice (learning outcomes based on the results of practice)

Code	Competence	Competence achievement indicators
UC-1	The ability to carry out a critical analysis of problem situations based on a systematic approach, to develop an action strategy	(within this practice) UC-1.1 Analyzes the task, highlighting its basic components UC-1.2 Determines and ranks the information required to solve the task UC-1.3 Searches for information to solve the task for various types of requests UC-1.4 Offers options for solving the problem, analyzes the possible consequences of their use
		UC-1.5 Analyzes ways to solve problems of an ideological, moral and personal nature based on the use of basic philosophical ideas and categories in their historical development and socio-cultural context
UC-2	Ability to manage a project at all stages of its life cycle	UC-2.1 Formulates a problem, the solution of which is directly related to the achievement of the project goal UC-2.2 Determines the links between the tasks set and the expected results of their solution UC-2.3 Within the framework of the tasks set, determines the available resources and restrictions, the current legal norms UC-2.4 Analyzes the schedule for the implementation of the project as a whole and chooses the best way to solve the tasks, based on the current legal regulations and available resources and restrictions UC-2.5 Controls the progress of the project, adjusts the schedule in accordance with the results of control
UC-3		UC-3.1 Determines his role in the team, based on the strategy of cooperation to achieve the goal

	Ability to organize and manage the	UC-3.2 Formulates and takes into account in its
	work of a team, developing a team strategy to achieve the goal	activities the behavioral characteristics of groups of people identified depending on the goal UC-3.3 Analyzes the possible consequences of personal actions and plans their actions to
		achieve a given result MC-3.4 Sharing information, knowledge and experience with team members
		UC-3.5 Argues his point of view regarding the use of the ideas of other team members to achieve the goal
		UC-3.6 Participates in team work to complete assignments
UC-4	The ability to communicate in interpersonal and intercultural interaction in Russian as a foreign and foreign language(s) based on the possession of interrelated and interdependent types of reproductive and productive	UC-4.1 Chooses the style of business communication, depending on the language of communication, the purpose and conditions of the partnership UC-4.2 Adapts speech, communication style and body language to interaction situations UC-4.3 Searches for the necessary information to
	foreign language speech activities, such as listening, speaking, reading, writing and translating in everyday life,	solve standard communication tasks in Russian and foreign languages UC-4.4 Performs translation of professional texts from a foreign language into Russian and vice versa
	sociocultural, educational, professional, official, business and scientific spheres of communication	UC-4.5 Conducts business correspondence in Russian and foreign languages, taking into account the peculiarities of the style of official and unofficial letters and socio-cultural differences in the format of correspondence
		UC-4.6 Uses dialogue for cooperation in academic communication of communication, taking into account the personality of the interlocutors, their communicative-speech strategy and tactics, the degree of formality of the situation
		UC-4.7 Forms and argues own assessment of the main ideas of the participants in the dialogue (discussion) in accordance with the needs of joint activities
UC-5	Ability to analyze and take into account the diversity of cultures in the process of intercultural interaction	UC-5.1 Interprets the history of Russia in the context of world historical development UC-5.2 Finds and uses information about the cultural characteristics and traditions of various social groups in social and professional communication
		UC-5.3 Takes into account, in social and professional communication on a given topic, the historical heritage and socio-cultural traditions of various social groups, ethnic groups and confessions, including world religions, philosophical and ethical teachings UC-5.4 Collects information on a given topic, taking into account the ethnic groups and
		confessions that are most widely represented at the points of the study

UC-6	The ability to determine and implement the priorities of one's own	UC-5.5 Substantiates the features of project and team activities with representatives of other ethnic groups and (or) confessions UC-5.6 Adheres to the principles of non-discriminatory interaction in personal and mass communication in order to fulfill professional tasks and strengthen social integration UC-6.1 Controls the amount of time spent on specific activities
	activity and ways to improve it based on self-assessment and lifelong learning	UC-6.2 Develops tools and methods for time management when performing specific tasks, projects, goals UC-6.3 Analyzes its resources and their limits (personal, situational, temporary, etc.) for the successful completion of the task UC-6.4 Finds and uses sources of additional information to increase the level of general and professional knowledge UC-6.5 Analyzes the main opportunities and
		tools of lifelong education in relation to their own interests and needs, taking into account the conditions, means, personal opportunities, stages of career growth, time perspective for the development of activities and labor market requirements UC-6.6 Defines the tasks of self-development,
		goals and priorities of professional growth UC-6.7 Distributes tasks into long-, medium- and short-term ones with justification of relevance and analysis of resources for their implementation
UC-8	The ability to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure the sustainable development of society, including in the event of a threat and the occurrence of emergencies and military conflicts	UC-8.1 Analyzes the factors of harmful influence on the life of the elements of the environment (technical means, technological processes, materials, buildings and structures, natural and social phenomena) UC-8.2 Identifies hazardous and harmful factors within the framework of the task being performed
	emergencies and minitary connicts	UC-8.3 Identifies and eliminates problems associated with safety violations in the workplace UC-8.4 Explains measures to prevent emergency situations UC-8.5 Clarifies the rules of conduct in the event of emergencies of natural and man-made origin, as well as in the event of military conflicts UC-8.6 Provides first aid, participates in recovery activities
UC-12	The ability to search for the necessary sources of information and data, perceive, analyze, memorize and transmit information using digital means, as well as using algorithms when working with data obtained from various sources in	UC-12.1 Searches for the necessary sources of information and data, perceives, analyzes, memorizes and transmits information using digital means, as well as using algorithms when working with data received from various sources in order to effectively use the information received to solve problems

	order to effectively use the information received to solve problems; evaluate information, its reliability, build logical conclusions based on incoming information and data.	UC-12.2 Evaluates information, its reliability, builds logical conclusions based on incoming information and data.
GPC-1	The ability to determine the biological status and normative clinical indicators of organs and systems of the animal body.	GPC-1.1 Knows the structure and functions of the main systems of the animal body, taking into account species characteristics GPC-1.2 Capable of predicting the expected violations of the biological status in case of suspected development of diseases GPC-1.3 Is able to determine the main indicators of the activity of individual body systems and draw conclusions about the presence of deviations from the normative values GPC-1.4 Skilled in taking samples of biological fluids and tissues for research, performing laboratory tests, interpreting research results.
GPC-2	The ability to interpret and evaluate in professional activities the impact on the physiological state of the animal organism of natural, socioeconomic, genetic and economic factors.	GPC-2.1 Has knowledge of the impact of natural, socio-economic, genetic and economic factors on the animal body GPC-2.2 Able to establish the presence and reliability of causal relationships between the impact of individual etiological factors on the animal's body and the development of diseases GPC-2.3 Owns methods of preventive and therapeutic correction of the impact of adverse environmental factors that can cause a deterioration in animal health
GPC-4	The ability to use in professional activities methods of solving problems using modern equipment in the development of new technologies and use modern professional methodology to conduct experimental studies and interpret their results.	GPC-4.1 Owns the conceptual and methodological apparatus of the basic natural sciences at a level sufficient for full-fledged professional activity at the modern level GPC-4.2 Owns methods for solving problems using modern equipment GPC-4.3 Ready to use modern methodology in the development and conduct of experimental studies GPC-4.4 Uses modern professional methodology when interpreting research results
GPC-5	The ability to draw up special documentation, analyze the results of professional activities and submit reporting documents using specialized databases.	GPC-5.1 Has the skills to search for the necessary forms of documentation on official websites and specialized databases GPC-5.2 Proficient in professional terminology and skills in filling out analytical and reporting documents of a professional nature GPC-5.3 Able to use specialized software for analyzing the results of professional activities and compiling reporting documentation
GPC-6	The ability to analyze, identify and carry out risk assessment of the risk of occurrence and spread of diseases.	GPC-6.1 Has knowledge in the field of etiology and pathogenesis of animal diseases of different species GPC-6.2 Has the skills to diagnose noncontagious, infectious and parasitic diseases,

		identify pathogens of infectious and parasitic diseases in animals GPC-6.3 Knows the patterns of occurrence and
		spread of diseases in animal populations, factors predisposing to diseases and causes of possible complications
GPC-7	Able to understand the principles of operation of modern information technologies and use them to solve problems of professional activity.	GPC-7.1 Understands the principles of operation of modern computer equipment and telecommunications and knows how to use them to solve professional problems GPC-7.2 Uses modern special software and specialized databases to solve professional problems and perform job duties GPC-7.3 Has the skills to work on modern medical diagnostic and treatment equipment with
		software GPC-7.4 Uses specialized databases to solve professional problems in the field of diagnostics and treatment of animals of various species GPC-7.5 Uses geographic information systems and software systems in the collection and analysis of information related to the assessment of the spread of infectious diseases, epizootic situations, planning and evaluating the effectiveness of anti-epizootic measures
PC-1	The ability to collect an anamnesis of the life and disease of animals to identify the causes of diseases and their nature	PC-1.1 Able to collect an anamnesis of the animal's life and reflect this in the relevant service documentation PC-1.2 Able to collect anamnesis of the animal's disease and reflect it in the patient's medical history PC-1.3 Able to identify possible causes of disease in an animal, factors predisposing to the disease and concomitant conditions that affect the nature of the course of the disease and use this information when making a diagnosis
PC-2	Ability to conduct a general clinical study of animals in order to establish a preliminary diagnosis and determine a further research program, as well as in accordance with the plan of anti-epizootic measures, the plan for the prevention of non-communicable animal diseases	PC-2.1 Able to conduct a general clinical study of animals of different species in order to establish a preliminary diagnosis and determine a further research program PC-2.2 Able to conduct mass clinical trials of animals in accordance with the plan of antiepizootic measures, the plan for the prevention of non-communicable animal diseases
PC-3	Ability to develop animal research programs using special (instrumental) and laboratory methods	PC-3.1 Able to develop individual animal research programs, including the use of special (instrumental) and laboratory methods to detect deviations from the physiological norm of the state of a living organism, conduct differential diagnosis of the identified pathology or control the course of the disease and the effectiveness of the prescribed treatment PC-3.2 Able to develop mass comprehensive animal research programs (medical examination

		programs) of animals, taking into account their type and purpose, both general and special
PC-4	Ability to conduct clinical studies of animals using special (instrumental) and laboratory methods to clarify the diagnosis	PC-4.1 Able to conduct additional studies of animals using laboratory methods to clarify the diagnosis PC-4.2 Able to conduct additional studies of animals using special (instrumental) methods to clarify the diagnosis
PC-5	The ability to make a diagnosis based on the analysis of anamnesis data, general, special (instrumental) and laboratory research methods	PC-5.1 Able to diagnose patients of various types based on the analysis of anamnesis data, general, special (instrumental) and laboratory research methods PC-5.2 Able to predict the risks of diseases on the basis of anamnestic data, the results of general, special (instrumental) and laboratory studies
PC-6	Ability to develop a treatment plan for animals based on the established diagnosis and individual characteristics of animals	PC-6.1 Able to develop a treatment plan for animals based on the established diagnosis and individual characteristics of animals PC-6.2 Able to develop recommendations for therapeutic and prophylactic manipulations to prevent diseases, the high probability of which was revealed during the study of the patient PC-6.3 Able to develop recommendations for the implementation of preventive and therapeutic and therapeutic measures based on the results of animal examinations conducted as part of medical examination
PC-7	The ability to select the necessary drugs of a chemical and biological nature for the treatment of animals, taking into account their cumulative pharmacological effect on the body	PC-7.1 Able to select drugs of a chemical and biological nature necessary for the treatment of animals, guided by the principles of evidence-based medicine, taking into account their cumulative pharmacological effects on the body PC-7.2 Able to justify the prescription of a drug in a specific clinical case or the impossibility of using this drug in the situation under consideration PC-7.3 Able to calculate the dose, frequency and duration of the course of drug administration to the patient, taking into account the form of release and the characteristics of the administration of the drug to the patient PC-7.4 Able to take into account drug interactions when prescribing a course of treatment to an animal already receiving drugs and dietary supplements due to the presence of previously identified diseases PC-7.5 Able to take into account economic, species and age characteristics, as well as the results of laboratory tests of the patient when choosing drugs for the treatment of the patient
PC-8	Ability to choose methods of non- drug therapy, including physiotherapy methods for the treatment of animals	PC-8.1 Able to choose and justify his choice of methods of non-drug therapy, including physiotherapy methods, for the treatment of animals PC-8.2 Able to assess the effectiveness of the selected method in treating the patient and, if

		necessary, adjust the treatment method or change
		the selected method to another
PC-9	The ability to conduct medical, including physiotherapy procedures using special equipment in compliance with safety rules	PC-9.1 Able to carry out medical, including physiotherapy, procedures using special equipment in compliance with safety rules PC-9.2 Able to take into account the species, age and individual characteristics of animals
		undergoing treatment using special equipment, to choose acceptable methods of fixing the patient during the procedure, the conditions for the procedures and their duration
PC-13	Ability to develop recommendations for special feeding of sick animals for therapeutic purposes	PC-13.1 Able to justify the appointment of special feeding for an animal with a therapeutic purpose for various diseases PC-13.2 Able to recommend the approximate composition of therapeutic diets, the desired ratio of nutrients, the presence of special additives and components that enhance the therapeutic effect of
		the diet PC-13.3 Able to use special programs and databases for the selection of industrial therapeutic diets and dietary supplements, as well as for the preparation of individual therapeutic diets for animals of various species
PC-14	The ability to conduct repeated examinations and studies of animals to assess the effectiveness and safety of the prescribed treatment and adjust the treatment plan for animals (if necessary) based on the results of evaluating the effectiveness of treatment	PC-14.1 Able to develop a plan for repeated studies necessary and sufficient to assess predicted changes in the patient's health status PC-14.2 Able to conduct a repeated clinical examination, taking into account the specifics of diseases previously diagnosed in a patient PC-14.3 Able to conduct the necessary repeated instrumental and laboratory studies PC-14.4 Able to analyze the identified changes, evaluate the effectiveness of the treatment and, if necessary, correct the prescribed course of treatment.
PC-15	Ability to organize prophylactic immunizations (vaccinations), therapeutic and prophylactic treatment of animals in accordance with the plan of anti-epizootic measures	PC-15.1 Able to draw up individual and group plans for preventive immunizations (vaccinations) taking into account the epizootic situation in the territory where the animals are staying, the plan of anti-epizootic measures, as well as state and regional veterinary and sanitary rules and requirements PC-15.2 Able to organize therapeutic and prophylactic treatment of animals in accordance with the plan of anti-epizootic measures, and also, if necessary, taking into account the real epizootic situation in the places of stay of animals, incl. in the conditions of agricultural production
PC-16	Ability to organize organizational, technical, zootechnical and veterinary measures aimed at the prevention of non-communicable diseases in accordance with the plan for the prevention of non-communicable animal diseases	PC-16.1 Able to assess the impact of the conditions of keeping and feeding animals on their health status as part of the implementation of action plans for the prevention of animal diseases PC-16.2 Able to carry out veterinary quality control and procurement of animal feed in order

		to ensure their veterinary and sanitary safety as part of the implementation of action plans for the prevention of animal diseases PC-16.3 Able to detect deviations from the plan of terms, types, quality of measures to prevent the emergence of non-infectious animals PC-16.4 Take corrective measures to implement measures to prevent the occurrence of non-communicable animal diseases based on the results of control PC-16.5 Conduct conversations, lectures, seminars for employees of the organization in order to explain the principles of work on the prevention of animal diseases
PC-17	Ability to organize disinfection and disinfestation of livestock buildings to ensure veterinary and sanitary well-being in accordance with the plan of veterinary and sanitary measures	PC-17.1 Capable of collecting and analyzing information necessary for organizing and planning veterinary and sanitary measures PC-17.2 Is able to select the optimal equipment, consumables, and medicinal and disinfectant preparations necessary and safe enough for the conduct of veterinary and sanitary measures PC-17.3 Able to determine the procedure for disinfection, disinfestation, deratization and other veterinary and sanitary measures, taking into account the peculiarities of keeping animals, the technical characteristics of the premises and the epizootic situation PC-17.4 Capable of monitoring the results of veterinary and sanitary measures
PC-18	The ability to draw up a plan for the medical examination of animals, taking into account their species and purpose, to conduct medical examinations, to develop recommendations for conducting preventive and therapeutic and therapeutic measures based on the results of an examination of animals conducted as part of the medical examination	PC-18.1 Able to draw up a plan for the medical examination of animals, general or specialized, taking into account their types and purpose PC-18.2 Able to organize and conduct medical examinations according to the plan PC-18.3 Able, based on the results of medical examination, to give recommendations on the implementation of preventive and therapeutic and therapeutic measures aimed at improving the health of a group of animals
PC-19	Ability to perform post-mortem diagnostic examination of animals in order to establish pathological processes, diseases, causes of death	PC-19.1 Able to conduct a general examination of animal corpses before autopsy PC-19.2 Capable of performing an autopsy of animal corpses using special tools and observing safety requirements PC-19.3 Able to establish the cause of death and pathoanatomical diagnosis in accordance with generally accepted criteria and classifications, lists of animal diseases PC-19.4 Able to document the results of the postmortem diagnostic examination of the animal in the autopsy protocol

3. PLACE OF PRACTICE IN THE STRUCTURE OF THE HIGHER EDUCATION PROGRAM

"Pharmacology, clinical diagnostics, pathological anatomy" refers to the part formed by the participants in educational relations.

As part of the Higher Education Program, students also master disciplines and / or other practices that contribute to the achievement of the planned learning outcomes based on the results of passing the "Biology with the basics of ecology and an introduction to the specialty".

Table 3.1. The list of components of the Higher Education Program that contribute to the achievement of the planned learning outcomes based on the results of the pratice

Code	Competence	Previous disciplines/modules, practices	Subsequent disciplines/modules, practices
UC-1	The ability to carry out a critical analysis of problem situations based on a systematic approach, to develop an action strategy	History Philosophy Maths Fundamentals of Economics and Management	Life safety Obstetrics, gynecology and andrology Internal non- communicable diseases general surgery Private Veterinary Surgery Parasitology and invasive diseases Epizootology and infectious diseases Veterinary and sanitary examination Organization of veterinary business Veterinary deontology Fundamentals of intellectual work Zoopsychology Organization of state veterinary supervision Career Management Space technologies in the service of the agro- industrial complex Reconstructive surgery
UC-2	Ability to manage a project at all stages of its life cycle	Philosophy Maths Introduction to the specialty Fundamentals of Economics and Management	Organization of veterinary business Veterinary deontology Economics and organization of agricultural production Fundamentals of intellectual work

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			Psychology of personality and professional self- determination Veterinary and
			manufacturing laboratories
			with design basics Career Management
			Space technologies in the
			service of the agro-
			industrial complex
UC-3	Ability to organize and	Law science	Life safety
	manage the work of a team,	Maths	Operative surgery with
	developing a team strategy	Introduction to the	topographic anatomy
	to achieve the goal	specialty	Internal non-
		Fundamentals of	communicable diseases
		Economics and	general surgery
		Management Fundamentals of	Private Veterinary Surgery Parasitology and invasive
		Rhetoric and	diseases
		Communication	Epizootology and
			infectious diseases
			Organization of veterinary
			business
			Veterinary sanitation
			Veterinary deontology
			Fundamentals of intellectual work
			Psychology of personality
			and professional self-
			determination
			Fundamentals of social and
			legal knowledge
UC-4	The ability to communicate		Veterinary deontology
	in interpersonal and	Fundamentals of	
	intercultural interaction in	Rhetoric and	intellectual work
	Russian as a foreign and foreign language(s) based on	Communication Foreign language	Communication workshop Foreign language for
	the possession of	Russian as a foreign	special purposes
	interrelated and	language)	Russian language for
	interdependent types of	Russian language	special purposes
	reproductive and productive		Foreign language.
	foreign language speech		Translation of special texts
	activities, such as listening,		Russian language.
	speaking, reading, writing		Translation of special texts
	and translating in everyday life , sociocultural,		Foreign language. Professional
	educational, professional,		communications
	official, business and		Russian language.
	scientific spheres of		Professional language.
	communication		communications
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UC-5	Ability to analyze and take into account the diversity of		Veterinary deontology

IIC-6	cultures in the process of intercultural interaction The ability to determine and	Philosophy Fundamentals of Rhetoric and Communication Foreign language Russian as a foreign language)	Psychology of personality and professional self-determination Communication workshop Foreign language for special purposes Russian language for special purposes Foreign language. Translation of special texts Russian language. Translation of special texts Foreign language. Translation of special texts Foreign language. Professional communications Russian language. Professional communications
UC-6	The ability to determine and implement the priorities of one's own activity and ways to improve it based on self-assessment and lifelong learning	Philosophy Maths Introduction to the specialty	Internal non- communicable diseases general surgery Private Veterinary Surgery Epizootology and infectious diseases Organization of veterinary business Veterinary deontology Fundamentals of intellectual work Psychology of personality and professional self- determination Career Management Fundamentals of social and legal knowledge Reconstructive surgery
UC-8	The ability to create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure the sustainable development of society, including in the event of a threat and the occurrence of emergencies and military conflicts	History Inorganic and Analytical Chemistry Organic chemistry biological physics Physical and colloidal chemistry	Life safety biological chemistry Veterinary Microbiology and Mycology Virology and Biotechnology Veterinary radiobiology Parasitology and invasive diseases Epizootology and infectious diseases Organization of veterinary business

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			General and veterinary ecology
			Veterinary sanitation
			Veterinary deontology
			Laboratory diagnostics of
			infectious and parasitic
			diseases
			Organization of state
			veterinary supervision
UC-12	The ability to search for the	Law science	Life safety
00 12	necessary sources of	Computer science	Instrumental diagnostic
	information and data,	Philosophy	methods
	perceive, analyze, memorize	Maths	Organization of veterinary
	and transmit information	17144115	business
	using digital means, as well		Forensic veterinary
	as using algorithms when		examination and autopsy
	working with data obtained		of animals
	from various sources in		Veterinary deontology
	order to effectively use the		Medicinal and poisonous
	information received to		plants
	solve problems; evaluate		Fundamentals of
	information, its reliability,		intellectual labor
	build logical conclusions		Psychology of personality
	based on incoming		and professional self-
	information and data		determination
			Clinical laboratory
			diagnostics
			Laboratory diagnostics of
			infectious and parasitic
			diseases
			Organization of state
			veterinary supervision
			Veterinary and
			manufacturing laboratories with design basics
			Biometrics in veterinary
			medicine medicine
			Fundamentals of social and
			legal knowledge
			Space technologies in the
			service of the agro-
			industrial complex
GPC-1	The ability to determine the	Animal anatomy	Physiology and ethology
	biological status and	Cytology, histology and	of animals
	normative clinical indicators	embryology	pathological physiology
	of organs and systems of the		Clinical diagnostics
	animal body.		pathological anatomy
			Instrumental diagnostic
			methods
			Obstetrics, gynecology and
			andrology
			Immunology

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			Clinical laboratory
			diagnostics
			Laboratory diagnostics of
			infectious and parasitic
			diseases
			Veterinary and
			manufacturing laboratories
			with design basics
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			Diseases of bees and
			entomophages
			Fish pathology and
			aquaculture
			Anesthesiology,
			resuscitation and intensive
			care
GPC-2	The ability to interpret and	Veterinary genetics	Veterinary microbiology
	evaluate in professional	Biology with the basics	and mycology
	activities the impact on the	of ecology	Virology and
	physiological state of the	of ecology	biotechnology
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	animal organism of natural,		Physiology and ethology
	socio-economic, genetic and		of animals
	economic factors.		Breeding with the basics of
			private zootechnics
			Animal health and welfare
			pathological physiology
			Veterinary radiobiology
			pathological anatomy
			Instrumental diagnostic
			methods
			Toxicology
			Obstetrics, gynecology and
			andrology
			Internal non-
			communicable diseases
			general surgery
			Private Veterinary Surgery
			Parasitology and invasive
			diseases
			Epizootology and
			infectious diseases
			Forensic veterinary
			examination and autopsy
			of animals
			Immunology
			General and veterinary
			ecology
			Veterinary sanitation
			fodder plants
			Zoopsychology
			animal health
			Equine diseases
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			Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of bees and
			entomophages
			Fish pathology and
			aquaculture
			Diseases of exotic animals
			Anesthesiology,
			resuscitation and intensive
			care Dermatology
			Cardiology
			Endocrinology
			Nephrology
			1 00
			Veterinary ophthalmology Animal Dentistry
GPC-4	The shiliter to mee in	Madha	·
GPC-4	The ability to use in professional activities	Maths Inorgania and	Biological chemistry Veterinary microbiology
	1 *	Inorganic and	ا کے ا
		Analytical Chemistry	and mycology
	problems using modern	Organic chemistry	Virology and
	equipment in the	biological physics	biotechnology
	development of new	Physical and colloidal	Physiology and ethology
	technologies and use	chemistry	of animals
	modern professional	Computer science	Breeding with the basics of
	methodology to conduct	Cytology, histology and	private zootechnics
	experimental studies and	embryology	pathological physiology
	interpret their results.		Veterinary radiobiology
			Clinical diagnostics
			pathological anatomy
			Operative surgery with
			topographic anatomy
			Instrumental diagnostic
			methods
			Toxicology
			Obstetrics, gynecology and
			andrology
			Internal non-
			communicable diseases
			general surgery
			Private Veterinary Surgery
			Parasitology and invasive
			diseases
			Epizootology and
			infectious diseases
			Immunology
			Veterinary sanitation
			Technology of processing
			livestock products
			Medicinal and poisonous
			plants
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			fodder plants
			Fundamentals of
			intellectual labor
			Psychology of personality
			and professional self-
			determination
			Clinical laboratory
			3
			diagnostics
			Laboratory diagnostics of
			infectious and parasitic
			diseases
			Equine diseases
			Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of bees and
			entomophages
			Fish pathology and
			aquaculture
			Diseases of exotic animals
			Anesthesiology,
			resuscitation and intensive
			care
			Dermatology
			Cardiology
			Endocrinology
			Nephrology
			Reconstructive surgery
			Veterinary ophthalmology
			Animal Dentistry
GPC-5	The ability to draw up		Breeding with the basics of
	special documentation,	Computer science	private zootechnics
	analyze the results of		Clinical diagnostics
	professional activities and		pathological anatomy
	submit reporting documents		Operative surgery with
	using specialized databases.		topographic anatomy
			Instrumental diagnostic
			methods
			Obstetrics, gynecology and
			andrology
			Internal non-
			communicable diseases
			Parasitology and invasive
			diseases
			Epizootology and
			infectious diseases
			Veterinary and sanitary
			examination
			Organization of veterinary business

			Forensic veterinary
			examination and autopsy
			of animals
			Veterinary deontology
			organization of
			agricultural production
			Clinical laboratory
			diagnostics
			Laboratory diagnostics of
			infectious and parasitic diseases
			Organization of state
			veterinary supervision
			Veterinary and
			manufacturing laboratories
			with design basics
			Anesthesiology,
			resuscitation and intensive
			care
			Dermatology
			Cardiology
			Endocrinology
			Nephrology
GPC-6	The ability to analyze,	Biology with the basics	Life safety
	identify and carry out risk	of ecology	Veterinary microbiology
	assessment of the risk of	Introduction to the	and mycology
	occurrence and spread of	specialty	Virology and
	diseases.		biotechnology
			Animal health and welfare
			Feeding animals with the
			basics of feed production
			Veterinary radiobiology
			Clinical diagnostics
			pathological anatomy
			Instrumental diagnostic
			methods
			Toxicology
			Obstetrics, gynecology and
			andrology
			Internal non-
			communicable diseases
			general surgery
			Private Veterinary Surgery
			Parasitology and invasive
			diseases
			Epizootology and
			infectious diseases
			Veterinary and sanitary
			examination
			Organization of veterinary
			business
			i niisiness

			Б
			Forensic veterinary
			examination and autopsy
			of animals
			General and veterinary
			ecology
			Veterinary sanitation
			Technology of processing
			livestock products
			-
			Medicinal and poisonous
			plants
			fodder plants
			animal health
			Clinical laboratory
			diagnostics
			Laboratory diagnostics of
			infectious and parasitic
			diseases
			U
			veterinary supervision
			Equine diseases
			Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of bees and
			entomophages
			Fish pathology and
			aquaculture
			Diseases of exotic animals
			Anesthesiology,
			resuscitation and intensive
			care
			Veterinary ophthalmology
			Animal Dentistry
GPC-7	Able to understand the	Computer science	Instrumental diagnostic
	principles of operation of	Maths	methods
	modern information	11144110	
			Organization of veterinary business
	technologies and use them to		
	solve problems of		Fundamentals of
	professional activity.		intellectual work
			Clinical laboratory
			diagnostics
			Laboratory diagnostics of
			infectious and parasitic
			diseases
			Veterinary and
			manufacturing laboratories
			with design basics
			Anesthesiology,
			resuscitation and intensive
			care
			Dermatology
<u> </u>			_ 3111141010BJ

			T =:
			Cardiology
			Endocrinology
			Nephrology
			Reconstructive surgery
PC-1	The ability to collect an anamnesis of the life and	Veterinary genetics Fundamentals of	Physiology and ethology of animals
	disease of animals to	rhetoric and	Breeding with the basics of
	identify the causes of	communication	private zootechnics
	diseases and their nature		Animal health and welfare
			Feeding animals with the
			basics of feed production Clinical diagnostics
			Toxicology
			Obstetrics, gynecology and
			andrology
			Internal non-
			communicable diseases
			general surgery
			Private Veterinary Surgery
			Parasitology and invasive diseases
			Epizootology and
			infectious diseases
			Veterinary deontology
			Zoopsychology
			animal health
			Psychology of personality
			and professional self-
			determination
			Equine diseases Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of exotic animals
			Anesthesiology,
			resuscitation and intensive
			care
			Dermatology
			Cardiology
			Endocrinology Nephrology
			Reconstructive surgery
			Veterinary ophthalmology
			Animal Dentistry
PC-2	Ability to conduct a general	Animal anatomy	Physiology and ethology
	clinical study of animals in	Ĭ	of animals
	order to establish a		pathological physiology
	preliminary diagnosis and		Clinical diagnostics
	determine a further research		pathological anatomy
	program, as well as in		Obstetrics, gynecology and
	accordance with the plan of		andrology

	anti animatia massassa 1		Diagona of least 1
	anti-epizootic measures, the		Diseases of bees and
	plan for the prevention of		entomophages
	non-communicable animal		Fish pathology and
	diseases		aquaculture
			Anesthesiology,
			resuscitation and intensive
			care
PC-3	Ability to develop animal	Animal anatomy	biological chemistry
	research programs using	Organic chemistry	Veterinary microbiology
	special (instrumental) and	biological physics	and mycology
	laboratory methods	Physical and colloidal	Virology and
	, and the second	chemistry	biotechnology
		j	Physiology and ethology
			of animals
			pathological physiology
			Clinical diagnostics
			pathological anatomy
			Instrumental diagnostic
			methods
			Toxicology
			Obstetrics, gynecology and
			andrology
			Internal non-
			communicable diseases
			general surgery
			Private Veterinary Surgery
			Parasitology and invasive
			diseases
			Epizootology and
			infectious diseases
			Immunology
			Veterinary deontology
			Clinical laboratory
			diagnostics
			Laboratory diagnostics of
			infectious and parasitic
			diseases
			Veterinary and
			manufacturing laboratories
			with design basics
			Equine diseases
			Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of bees and
			entomophages
			1 03
			aquaculture
			Diseases of exotic animals

		Anesthesiology,
		resuscitation and intensive
		care
		Dermatology
		Cardiology
		Endocrinology
		Nephrology
		Reconstructive surgery
		Veterinary ophthalmology
		Animal Dentistry
Ability to conduct clinical	Animal anatomy	Biological chemistry
studies of animals using	biological physics	Veterinary microbiology
special (instrumental) and	Cytology, histology and	and mycology
laboratory methods to	embryology	Virology and
clarify the diagnosis		biotechnology
		Physiology and ethology
		of animals
		pathological physiology
		Clinical diagnostics
		pathological anatomy
		Instrumental diagnostic
		methods
		Obstetrics, gynecology and
		andrology
		Internal non-
		communicable diseases
		general surgery
		Private Veterinary Surgery
		Parasitology and invasive
		diseases
		Epizootology and
		infectious diseases
		Clinical laboratory
		3
		diagnostics
		Laboratory diagnostics of
		infectious and parasitic
		diseases
		Equine diseases
		Diseases of productive
		animals
		Diseases of small animals
		Diseases of small pets
		Diseases of exotic animals
		Anesthesiology,
		resuscitation and intensive
		care
		Dermatology
		Cardiology
		~ ~
		Endocrinology
		Nephrology
		Veterinary ophthalmology Animal Dentistry

PC-5	The chility to make a	Votorinamy conctice	Dhygiology and athology
PC-5	The ability to make a diagnosis based on the	Veterinary genetics Cytology, histology and	Physiology and ethology of animals
	•		
	analysis of anamnesis data,	embryology	Breeding with the basics of
	general, special		private zootechnics
	(instrumental) and		Feeding animals with the
	laboratory research methods		basics of feed production
			pathological physiology
			Clinical diagnostics
			pathological anatomy
			Toxicology
			Obstetrics, gynecology and
			andrology
			Internal non-
			communicable diseases
			general surgery
			Private Veterinary Surgery
			Parasitology and invasive
			diseases
			Epizootology and
			infectious diseases
			Forensic veterinary
			examination and autopsy
			of animals
			Zoopsychology
			Equine diseases
			Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of bees and
			entomophages
			Fish pathology and
			aquaculture
			Diseases of exotic animals
			Anesthesiology,
			resuscitation and intensive
			care
			Dermatology
			Cardiology
			Endocrinology
			Nephrology
			Reconstructive surgery
			Veterinary ophthalmology
			Animal Dentistry
PC-6	Ability to develop a	Veterinary genetics	Veterinary microbiology
	treatment plan for animals	Maths	and mycology
	based on the established		Virology and
	diagnosis and individual		biotechnology
	characteristics of animals		pathological physiology
			Veterinary pharmacology
			Toxicology
L	1		<i>UJ</i>

			Obstatuiss
PC-7	The ability to select the necessary drugs of a chemical and biological nature for the treatment of animals, taking into account their cumulative pharmacological effect on the body	Inorganic and Analytical Chemistry Organic chemistry Physical and colloidal chemistry	biotechnology pathological physiology Veterinary pharmacology Toxicology Obstetrics, gynecology and andrology Internal non-
	animals, taking into account their cumulative pharmacological effect on	_	biotechnology pathological physiology Veterinary pharmacology Toxicology Obstetrics, gynecology and andrology Internal non-
			communicable diseases general surgery Private Veterinary Surgery Parasitology and invasive diseases Epizootology and infectious diseases Medicinal and poisonous plants

			Equine diseases
			Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of bees and
			entomophages
			Fish pathology and
			aquaculture
			Diseases of exotic animals
			Anesthesiology,
			resuscitation and intensive
			care
			Dermatology
			Cardiology
			Endocrinology
			Nephrology
			Veterinary ophthalmology
			Animal Dentistry
PC-8	Ability to choose methods of	_	Veterinary microbiology
	non-drug therapy, including		and mycology
	physiotherapy methods for		Virology and
	the treatment of animals		biotechnology
	the treatment of unimals		Physiology and ethology
			of animals
			Feeding animals with the
			basics of feed production
			pathological physiology
			Veterinary radiobiology
			Internal non-
			communicable diseases
			general surgery
			Private Veterinary Surgery
			Equine diseases
			Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of exotic animals
			Anesthesiology,
			resuscitation and intensive
			care
			Dermatology
			Cardiology
			Endocrinology
			Nephrology
			Reconstructive surgery
			Veterinary ophthalmology
DC O	The chility to and the	Animal anatamas	Animal Dentistry
PC-9	The ability to conduct	Animal anatomy	Life safety
	medical, including		Veterinary microbiology
	physiotherapy procedures		and mycology

	Tarahan anastat asast		Vinala av
	using special equipment in		Virology and
	compliance with safety rules		biotechnology
			Physiology and ethology
			of animals
			pathological physiology
			Veterinary radiobiology
			general surgery
			Private Veterinary Surgery
			Equine diseases
			Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of exotic animals
			Anesthesiology,
			resuscitation and intensive
			care Dominatalogy
			Dermatology
			Cardiology
			Endocrinology
			Nephrology
			Reconstructive surgery
			Veterinary ophthalmology
			Animal Dentistry
PC-13	Способность	-	Физиология и этология
	разрабатывать		животных
	рекомендации по		Кормление животных с
	специальному кормлению		основами
	больных животных с		кормопроизводства
	лечебной целью		Патологическая
			физиология
			Внутренние незаразные
			болезни
			Общая хирургия
			Частная ветеринарная
			хирургия
			Лекарственные и
			ядовитые растения
			Кормовые растения
			Анестезиология,
			реанимация и
			интенсивная терапия
			Дерматология
			Кардиология
			Эндокринология
			Нефрология
PC-14	The ability to conduct	Cytology, histology and	Physiology and ethology
	repeated examinations and	embryology	of animals
	studies of animals to assess		pathological physiology
	the effectiveness and safety		Veterinary pharmacology
	of the prescribed treatment		Clinical diagnostics
	and adjust the treatment plan		pathological anatomy
	bujust ine deadinent plan		r

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	for animals (if necessary)		Instrumental diagnostic
	based on the results of		methods
	evaluating the effectiveness		Toxicology
	of treatment		Obstetrics, gynecology and
			andrology
			Internal non-
			communicable diseases
			general surgery
			Private Veterinary Surgery
			Parasitology and invasive
			diseases
			infectious diseases
			Clinical laboratory
			diagnostics
			Equine diseases
			Diseases of productive
			animals
			Diseases of small animals
			Diseases of small pets
			Diseases of exotic animals
			Anesthesiology,
			resuscitation and intensive
			care
			Dermatology
			Cardiology
			Endocrinology
			Nephrology
			Reconstructive surgery
			Veterinary ophthalmology
			Animal Dentistry
PC-15	Ability to organize	-	Virology and
	prophylactic immunizations		Biotechnology
	(vaccinations), therapeutic		Parasitology and invasive
	and prophylactic treatment		diseases
	of animals in accordance		Epizootology and
	with the plan of anti-		infectious diseases
	epizootic measures		Immunology
			Veterinary sanitation
			Diseases of bees and
			entomophages
			Fish pathology and
			aquaculture
PC-16	Ability to organize	Veterinary genetics	Life safety
. 0 10	organizational, technical,	Fundamentals of	Physiology and ethology
	zootechnical and veterinary	Economics and	of animals
	= -		
	measures aimed at the	Management	Breeding with the basics of
	prevention of non-		private zootechnics
	communicable diseases in		Animal health and welfare
			- 4
	accordance with the plan for the prevention of non-		Feeding animals with the basics of feed production

	communicable diseases animal		Obstetrics, gynecology and andrology Internal non-communicable diseases general surgery Private Veterinary Surgery Organization of veterinary business Economics and organization of agricultural production Medicinal and poisonous plants fodder plants Zoopsychology animal health Equine diseases Diseases of productive animals Diseases of small animals Diseases of small pets Diseases of bees and entomophages Fish pathology and aquaculture Diseases of exotic animals
PC-17	Ability to organize disinfection and disinfestation of livestock buildings to ensure veterinary and sanitary wellbeing in accordance with the plan of veterinary and	Inorganic and Analytical Chemistry Organic chemistry Physical and colloidal chemistry	Veterinary ophthalmology Animal Dentistry Life safety Veterinary Microbiology and Mycology Virology and Biotechnology Veterinary pharmacology Veterinary sanitation
PC-18	sanitary measures The ability to draw up a plan for the medical examination of animals, taking into account their species and purpose, to conduct medical examinations, to develop recommendations for conducting preventive and therapeutic and therapeutic measures based on the results of an examination of animals conducted as part of the medical examination	Veterinary genetics	animal health Physiology and ethology of animals Breeding with the basics of private zootechnics Animal health and welfare Feeding animals with the basics of feed production pathological physiology Veterinary pharmacology Clinical diagnostics pathological anatomy Instrumental diagnostic methods Toxicology Obstetrics, gynecology and andrology

_			
			Internal non-
			communicable diseases
			general surgery
			Private Veterinary Surgery
			animal health
			Clinical laboratory
			diagnostics
			Equine diseases
			Diseases of productive animals
			Diseases of small animals
			Diseases of small pets
			Diseases of exotic animals
			Dermatology
			Cardiology
			Endocrinology
			Nephrology
			Veterinary ophthalmology
			Animal Dentistry
PC-19	Ability to perform post-	Animal anatomy	Life safety
	mortem diagnostic	Cytology, histology and	pathological anatomy
	examination of animals in	embryology	Toxicology
	order to establish	omery eregy	Obstetrics, gynecology and
	pathological processes,		andrology
	diseases, causes of death		Internal non-
	discuses, eduses of death		communicable diseases
			general surgery
			Private Veterinary Surgery
			Parasitology and invasive
			diseases
			Epizootology and
			infectious diseases
			Veterinary and sanitary
			examination
			Forensic veterinary
			examination and autopsy
			of animals
			Clinical laboratory
			diagnostics
			Laboratory diagnostics of
			infectious and parasitic
			diseases
			Equine diseases
			Diseases of productive
			animals
			Diseases of small animals
			Diseases of bees and
			entomophages
			Fish pathology and
			aquaculture
			Diseases of exotic animals
			Dermatology

	Cardiology
	Endocrinology
	Nephrology
	Veterinary ophthalmology
	Animal Dentistry

4. WORKLOAD OF PRACTICE

The total workload of the educational practice "Biology with the basics of ecology and an introduction to the specialty" is 3 credits (108 academic hours).

5. PRACTICE CONTENT

*Table 5.1 Practice content **

Name of practice section	Contents of the section (topics, types, practical activities)	Workload, ac.h.
Section 1. Biology with	Laboratory practice	15
the basics of ecology	Museum practice	15
	Field practice	15
Section 2. Introduction to the specialty	Excursion practice in the clinic for small animals	12
	Excursion practice in the clinic for large animals	11
	Excursion to the agricultural enterprise	11
	Excursion to the laboratory	11
Preparation of a practice report		9
Preparation for the defense and defense of the practice report		9
	TOTAL:	108

^{* -} the content of the practice by sections and types of practical training is FULLY reflected in the trainee's report on practice.

6. EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Material and technical support for the practice, which meets the requirements of the order of the Rector of RUDN University No. 397-r dated April 9, 2021 "On approval and enforcement of the Regulations for ensuring labor protection and fire safety during practices" and instructions IOT No. 712-21 of RUDN University dated May 17, 2021 .2021 "On labor protection and fire safety during educational and production (including undergraduate and research) practices implemented at the Agrarian Technology Institute":

- Equipped laboratory rooms
- Equipment:

- o Multimedia settings
- o Light optical microscopes,
- o Stereoscopic binoculars,
- o Educational demonstration tables,
- o Posters.
- o Stands and diagrams for the zoological description of animals,
- o Micropreparations,
- o Laboratory glassware,
- o Nets for catching insects,
- o Dissecting needles,
- o Excursion zoological bucket with mesh lid,
- o Stain for terrestrial insects,
- o Study tables,
- o Living plant material,
- o Collections of fixed generative and vegetative plant organs,
- o Educational herbarium.

7. PRACTICE METHODS

"Biology with the basics of ecology and an introduction to the specialty "can be carried out both in the structural divisions of the Peoples' Friendship University of Russia or in organizations of Moscow (stationary), and at bases located outside of Moscow (external).

Conducting an practice based on an external organization (outside the RUDN University) is carried out based on an appropriate agreement, which specifies the terms, place and conditions for conducting an practice in the base organization.

The timing of the practice corresponds to the period specified in the calendar training schedule of the Higher Education Program. The timing of the practice can be adjusted upon agreement with the Department of Educational Policy and the Department for the organization of practices and employment of students at RUDN University.

8. FSC RECOMMENDED SOURCES FOR COURSE STUDIES

Main reading:

1. Biology with the basics of ecology: a textbook / V. M. Tsarevskaya, M. V. Kovalenko, E. Kh. Nechaeva, N. A. Melnikova. - Samara: SamGAU, 2018. - 125 p.

- 2. Kolesnikova, I. Ya. Biology with the basics of ecology: teaching aid / I. Ya. Kolesnikova. Yaroslavl: Yaroslavl State Agricultural Academy, 2017. 112 p. https://e.lanbook.com/book/131314
- 3. Medvedeva, S. M. Biology with the basics of ecology: textbook / S. M. Medvedeva. Voronezh: VSU, 2017. 111 p. https://e.lanbook.com/book/154750
- 4. Methodology of scientific research: a textbook for universities / N. A. Slesarenko, E. N. Borkhunova, S. M. Borunova [and others]; edited by N. A. Slesarenko. 5th ed., erased. St. Petersburg: Lan, 2021. 268 p. https://e.lanbook.com/book/156383
- 5. Tsarenko, P. P. Introduction to zootechnics: textbook / P. P. Tsarenko, A. F. Shevkhuzhev. 2nd ed., erased. St. Petersburg: Lan, 2019. 300 p. https://e.lanbook.com/book/113146
- 6. Dar'in, A. I. Guidelines for the implementation of the final qualification work: guidelines / A. I. Dar'in, G. V. Ilyina, V. V. Lyashenko. Penza: PGAU, 2018. 73 p. https://e.lanbook.com/book/131061
- 7. Animal feeding and feed technology: textbook / N. I. Torzhkov, I. Yu. Bystrova, A. A. Korovushkin [and others]. Ryazan: RGATU, 2019. 163 p. https://e.lanbook.com/book/137432

Additional reading:

- 1. Shabasheva, S. V. Biology with the basics of ecology: textbook / S. V. Shabasheva. Kemerovo: KemGU, 2016. 127 p. https://e.lanbook.com/book/92382
- 2. Novak, A. I. Biology with the basics of ecology: textbook / A. I. Novak, I. Yu. Bystrova, O. A. Fedosova. Ryazan: RGATU, 2016. 165 p. https://e.lanbook.com/book/144268
- 3. Shamsuvaleeva, E. Sh. Biology with the basics of ecology: textbook / E. Sh. Shamsuvaleeva. Kazan: Povolzhskaya GAFKSiT, 2016. 52 p. https://e.lanbook.com/book/154940
- 4. Biology with the basics of ecology: textbook / S. A. Nefedova, A. A. Korovushkin, A. N. Bachurin, E. A. Shashurina. 2nd ed., corrected. St. Petersburg: Lan, 2015. 368 p. https://e.lanbook.com/book/58167
- 5. Nikitin, I. N. History of veterinary medicine: a textbook for military / I. N. Nikitin. 4th ed., Rev. and additional St. Petersburg: Lan, 2020. 332 p. https://e.lanbook.com/book/143680
- 6. Bondarenko, O. V. History and philosophy of science: textbook / O. V. Bondarenko, O. P. Ilyina. Irkutsk: Irkutsk State Agrarian University, 2017. 269 p. https://e.lanbook.com/book/133357

- 7. Nikitin, I. N. Legal support of veterinary activities: a textbook for sports / I. N. Nikitin.
- 2nd ed., erased. St. Petersburg: Lan, 2021. 212 p. https://e.lanbook.com/book/155692

Internet-(based) sources

- 1. Electronic libraries with access for RUDN students:
 - RUDN Electronic Library System RUDN EBS http://lib.rudn.ru/MegaPro/Web
 - ELS "University Library Online" http://www.biblioclub.ru
 - EBS Yurayt http://www.biblio-online.ru
 - ELS "Student Consultant" www.studentlibrary.ru
 - EBS "Lan" http://e.lanbook.com/
 - EBS "Trinity Bridge"
 -
- 2. Databases and search engines:
 - electronic fund of legal and normative-technical documentation http://docs.cntd.ru/
 - Yandex search engine https://www.yandex.ru/
 - Google search engine https://www.google.ru/

Electronic version of the document

- abstract database SCOPUS http://www.elsevierscience.ru/products/scopus/

Learning toolkits for practice, filling out a diary and preparing an practice report*:

- 1. Safety rules during the training practice "Biology with the basics of ecology and introduction to the specialty" (primary briefing).
- 2. The general arrangement and principle of operation of technological production equipment used by students during their practice; flow charts and regulations, etc. (if necessary).
 - 3. Guidelines for filling in a diary by students and preparing a practice report.
 - * Learning toolkits for self- studies in the RUDN LMS TUIS!

8. ASSESSMENT AND EVALUATION TOOLKIT AND SCORE-RATING ASSESSMENT SYSTEM OF THE LEVEL OF FORMATION COMPETENCES OF PRACTICES

Evaluation materials and a point-rating system* for assessing the level of competencies (part of competencies) based on the results of passing the "Biology with the basics of ecology and introduction to the specialty" are presented in the Appendix to this Practice Program (module).

* - AT and SRS are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

DEVELOPER:

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