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**Federal State Autonomous Educational Institution for Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
Agrarian and Technological Institute**

WORKING COURSE SYLLABUS

Dermatology

Recommended by the Methodological Council for the Education Field:

36.05.01 Veterinary medicine

1. GOALS AND OBJECTIVES OF THE DISCIPLINE

The aim of the mastering the discipline "**Dermatology**" is to acquire theoretical knowledge and practical skills in the diagnosis, treatment and prevention of diseases of the skin of animals.

2. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

The development of the discipline "**Dermatology**" is aimed at creating the following competencies (parts of competencies) for students:

Table 2.1. List of competencies formed by students during the development of the discipline (results of the development of the discipline)

Code	Competence	Indicators of competence accomplishment (within the discipline)
GPC-2	The ability to interpret and evaluate in professional activity the influence of natural, socio-economic, genetic and economic factors on the physiological state of the animal organism.	GPC-2.1 Knows the influence of natural, socio-economic, genetic and economic factors on the animal bodya
		GPC-2.2 Can establish the presence and validity of cause-effect relationships between the impact of certain etiological factors on the animal body and the development of diseases
		GPC-2.3 Knows the methods of preventive and therapeutic correction of the impact of unfavorable environmental factors that can cause deterioration of animal health
GPC-4	Ability to use in professional activity methods of solving problems 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 Knows the conceptual and methodological apparatus of the basic natural sciences at a level sufficient for full professional activity at the modern level
		GPC-4.2 Knows how to solve problems using modern equipment
		GPC-4.3 Willing to use modern methodology in designing and conducting experimental research
		GPC-4.4 Uses modern professional methodology in interpreting research results
GPC-5	The ability to draw up special documentation, analyze the results of professional activity and submit accounting documents using specialized databases.	GPC-5.1 Has the skills to search for the necessary forms of documentation 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 orientation.

		GPC-5.3 He is able to use specialized software to analyze the results of professional activity and compile accounting documentation.
GPC -7	He is able to understand the principles of modern information technologies and use them to solve the tasks of professional activity.	GPC-7.1 Understands the principles of modern computer technology and telecommunications and is able to use them to solve professional problems;
		GPC-7.2 Uses modern special software and specialized databases to solve professional tasks and perform official duties;
		GPC-7.3 Has the skills to work on modern medical diagnostic and therapeutic 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 geoinformation systems and software complexes when collecting and analyzing 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 anamnesis of life and disease of animals to identify the causes of diseases and their nature	PC-1.1 Able to compile an animal's life history and record it in appropriate service records
		PC-1.2 Able to collect an animal's medical history and reflect it in the patient's medical history
		PC-1.3 Is able to identify possible causes of disease in an animal, factors predisposing to the disease and concomitant conditions affecting the course of the disease and use this information in making a diagnosis
PC-3	Ability to develop animal research programs using special (instrumental) and laboratory methods	PC-3.1 Can develop individual programs of animal research, including the use of special (instrumental) and laboratory methods to detect deviations from the physiological norm of the state of the living organism, differential diagnosis of detected pathology or control of the course of the disease and the effectiveness of the prescribed treatment
		ПК-3.2 Способен разрабатывать

		массовые комплексные программы исследований животных (программы диспансеризации) животных с учетом их вида и назначения, как общие, так и специальные.
PC-4	The ability to conduct clinical studies of animals using special (instrumental) and laboratory methods to clarify the diagnosis	PC-4.1 Able to perform additional examinations of animals using laboratory methods to clarify the diagnosis
		PC-4.2 Able to perform additional examinations 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 Is able to diagnose different types of patients based on analysis of anamnesis, general, special (instrumental) and laboratory examination data
		PC-5.2 Is able to predict the risks of disease on the basis of anamnestic data, the results of general, special (instrumental) and laboratory tests
PC-6	The ability to develop a treatment plan for animals based on the established diagnosis and individual characteristics of animals.	PC-6.1 He is able to develop a treatment plan for animals based on the established diagnosis and individual characteristics of the animals.
		PC-6.2 He is able to develop recommendations on therapeutic and preventive manipulations to prevent diseases, the high probability of which was revealed during the study of the patient.
		PC-6.3 He is able to develop recommendations for carrying out preventive and curative measures based on the results of the examination of animals carried out as part of the medical examination.
PC-7	The ability to choose the necessary medicaments of chemical and biological nature for the treatment of animals, taking into account their combined pharmacological effect on the organism.	PC-7.1 He is able to choose medicines of chemical and biological nature necessary for the treatment of animals, guided by the principles of evidence-based medicine, taking into account their combined pharmacological effect on the body
		PC-7.2 He is able to justify the prescription of a drug in a certain clinical case or the impossibility of using this drug in the situation under consideration
		PC-7.3 He is able to calculate the dose, frequency and duration of the course of application of the drug 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 He is able to take into account drug interactions when prescribing a course of treatment to an animal already receiving medications and biologically active additives due to the presence of diseases identified earlier
		PC-7.5 He is able to take into account economic, species and age characteristics, as well as the results of laboratory studies of the patient when choosing drugs for the treatment of the patient
PC-8	Ability to choose methods of non-drug therapy, including physiotherapeutic methods for treating animals	PC-8.1 Is able to choose and justify his/her choice of non-medicinal therapy methods, including physical therapy methods, for treating animals
		PC-8.2 Is able to evaluate the effectiveness of the chosen method in treating a patient and, if necessary, adjust the method of treatment or change the chosen method to another
PC-9	Ability to carry out medical, including physiotherapy, procedures using special equipment in compliance with safety rules	PC-9.1 Able to perform therapeutic procedures, including physical therapy, using special equipment in compliance with safety rules
		PC-9.2 Able to take into account the species, age and individual characteristics of the animals being treated with special equipment, choose acceptable methods of fixation of the patient during the procedure, conditions of the procedures and their duration
PC-10	The ability to determine the need for the use of surgical and surgical methods in the treatment of animals	PC-10.1 Can determine the necessity of using operative-surgical methods in the treatment of animals
		PC-10.2 Able to choose the optimal surgical method for the patient, taking into account external conditions and the patient's body status, and if several manipulations are necessary - their order and distribution in time
		PC-10.3 Able to consider risks and possible complications accompanying surgical interventions and take measures for their prevention

PC-11	Ability to develop a plan for a surgical operation, including the choice of a method of pain relief	PC-11.1 Capable of developing a surgical plan
		PC-11.2 Is able to select and justify the best option for anesthesia of the patient during surgery and in the postoperative period
PC-13	Ability to develop recommendations for special feeding of sick animals for therapeutic purposes	PC-13.1 Able to justify the assignment of special feeding to an animal for therapeutic purposes for various diseases
		PC-13.2 Can recommend approximate composition of therapeutic diets, desirable ratio of nutrients, availability of special additives and components that enhance the therapeutic effect of the diet
		PC-13.3 Able to use special programs and databases to select industrial therapeutic diets and dietary supplements, as well as to compose individual therapeutic diets for animals of different 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 repeat study plan necessary and sufficient to assess the predicted changes in the patient's health status
		PC-14.2 Able to perform a repeat clinical examination, taking into account the specifics of diseases previously diagnosed in the patient
		PC-14.3 Able to perform necessary repeated instrumental and laboratory tests
		PC-14.4 Is able to analyze the identified changes, evaluate the effectiveness of the ongoing treatment and, if necessary, make adjustments to the prescribed course of treatment.
PC-18	The ability to draw up a plan for clinical examination of animals, taking into account their types and purpose, conduct medical examination, develop recommendations for conducting therapeutic and prophylactic and therapeutic measures based on the results of examination of animals carried out as part of medical examination	PC-18.1 Able to make a plan for the dispensary of animals, general or specialized, taking into account their species and purpose
		PC-18.2 Capable of organizing and conducting medical examinations according to the plan
		PC-18.3 Is able, on the basis of the results of the dispensary, to make recommendations for therapeutic and prophylactic measures aimed at improving the health of the group of animals

PC-19	He is able, based on the results of medical examination, to give recommendations on the implementation of therapeutic and preventive and curative measures aimed at improving the health of a group of animals	PC-19.1 He is able to conduct a general examination of animal corpses before autopsy
		PC-19.2 He is able to perform autopsy of animal corpses using special tools and compliance with safety requirements
		PC-19.3 He is able to establish the cause of death and pathoanatomic diagnosis in accordance with generally accepted criteria and classifications, lists of animal diseases
		PC -19.4 He is able to formalize the results of a postmortem diagnostic examination of an animal in the autopsy protocol
PC-24	Ability and readiness to promote veterinary knowledge, including in the field of animal disease prevention	PC-24.1 Able to set goals to promote veterinary knowledge, plan strategy and tactics for upcoming events
		PC-24.2 Able to use computer and telecommunication tools to prepare and display materials used in the process of promoting veterinary knowledge
		PC-24.3 Able to hold talks, lectures, seminars for employees to explain the principles of animal disease prevention

3. COURSE IN HIGHER EDUCATION

The discipline "**Dermatology**" belongs to the part formed by the participants of educational relations of the block B1 of the Educational Program of Higher Education.

As part of the Educational Program of Higher Education, students also master other disciplines and /or practices that contribute to achieving the planned results of mastering the discipline "**Dermatology**".

Table 3.1. List of Higher Education Program components disciplines that contribute to expected learning outcomes

Competence code	Competence	Previous Disciplines (Modules)	Subsequent Disciplines (Modules)
GPC-2	The ability to interpret and evaluate in professional activity the influence of natural, socio-economic, genetic and economic factors on the physiological state of the animal	Biology with the basics of ecology Veterinary Genetics Veterinary Microbiology and Mycology Virology and Biotechnology Physiology and ethology	Cardiology Endocrinology Nephrology Veterinary Ophthalmology Animal Dentistry

	<p>organism.</p>	<p>of animals 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 Forage plants Zoopsychology Animal Health Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Bee diseases and entomophages Fish pathology and aquaculture Diseases of exotic animals Anesthesiology, resuscitation and intensive care</p>	
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GPC-4	Ability to use in professional activity methods of solving problems using modern equipment in the development of new technologies and to use modern professional methodology for conducting experimental research and interpreting their results.	Inorganic and analytical chemistry Organic chemistry Biological physics Informatics Physical and colloidal chemistry Cytology, histology and embryology Biological chemistry Veterinary Microbiology and Mycology Virology and Biotechnology Physiology and ethology of animals Breeding with the basics of private zootechnics Pathological physiology 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 Mathematics Immunology Veterinary sanitation Technology of processing of livestock products Medicinal and poisonous plants Forage plants	Cardiology Endocrinology Nephrology Reconstructive and reconstructive surgery Veterinary Ophthalmology Animal Dentistry
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		<p>Fundamentals of Intellectual Work</p> <p>Personality Psychology and Professional Self-Determination</p> <p>Clinical laboratory diagnostics</p> <p>Laboratory diagnostics of infectious and invasive diseases</p> <p>Diseases of horses</p> <p>Diseases of productive animals</p> <p>Diseases of small pets</p> <p>Diseases of small pets</p> <p>Bee diseases and entomophages</p> <p>Fish pathology and aquaculture</p> <p>Diseases of exotic animals</p> <p>Anesthesiology, resuscitation and intensive care</p>	
GPC-5	The ability to draw up special documentation, analyze the results of professional activity and submit accounting documents using specialized databases.	<p>Veterinary Genetics</p> <p>Informatics</p> <p>Breeding with the basics of private zootechnics</p> <p>Clinical diagnostics</p> <p>Pathological anatomy</p> <p>Operative surgery with topographic anatomy</p> <p>Instrumental diagnostic methods</p> <p>Obstetrics, Gynecology and Andrology</p> <p>Internal non-communicable diseases</p> <p>Parasitology and invasive diseases</p> <p>Epizootology and infectious diseases</p> <p>Veterinary and sanitary expertise</p> <p>Organization of veterinary affairs</p> <p>Forensic veterinary examination and autopsy</p>	<p>Cardiology</p> <p>Endocrinology</p> <p>Nephrology</p>

		of animals Veterinary Deontology Economics and organization of agricultural production Clinical laboratory diagnostics Laboratory diagnostics of infectious and invasive diseases Organization of state veterinary supervision Veterinary and production laboratories with the basics of design Anesthesiology, resuscitation and intensive care	
GPC -7	He is able to understand the principles of modern information technologies and use them to solve the tasks of professional activity.	Informatics Instrumental diagnostic methods Organization of veterinary affairs Mathematics Fundamentals of Intellectual Work Clinical laboratory diagnostics Laboratory diagnostics of infectious and invasive diseases Veterinary and production laboratories with the basics of design Anesthesiology, resuscitation and intensive care	Cardiology Endocrinology Nephrology Reconstructive and reconstructive surgery
PC-1	The ability to collect anamnesis of life and disease of animals to identify the causes of diseases and their nature	Veterinary Genetics Physiology and ethology of animals Breeding with the basics of private zootechnics Animal health and welfare Feeding animals with the basics of feed production Clinical diagnostics	Cardiology Endocrinology Nephrology Reconstructive and reconstructive surgery Veterinary Ophthalmology Animal Dentistry

		<p>Toxicology Obstetrics, Gynecology and Andrology Internal non-communicable diseases General Surgery Private Veterinary Surgery Parasitology and invasive diseases Epizootology and infectious diseases Fundamentals of Rhetoric and Communication Veterinary Deontology Zoopsychology Animal Health Personality Psychology and Professional Self-Determination Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Diseases of exotic animals Anesthesiology, resuscitation and intensive care</p>	
PC-3	Ability to develop animal research programs using special (instrumental) and laboratory methods	<p>Animal anatomy Organic chemistry Biological physics Physical and colloidal chemistry Biological chemistry Veterinary Microbiology and Mycology Virology and Biotechnology Physiology and ethology of animals Pathological physiology Clinical diagnostics Pathological anatomy Instrumental diagnostic</p>	<p>Cardiology Endocrinology Nephrology Reconstructive and reconstructive surgery Veterinary Ophthalmology Animal Dentistry</p>

		<p>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 invasive diseases Veterinary and production laboratories with the basics of design Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Bee diseases and entomophages Fish pathology and aquaculture Diseases of exotic animals Anesthesiology, resuscitation and intensive care</p>	
PC-4	The ability to conduct clinical studies of animals using special (instrumental) and laboratory methods to clarify the diagnosis	<p>Animal anatomy Biological physics Cytology, histology and embryology Biological chemistry Veterinary Microbiology and Mycology Virology and Biotechnology Physiology and ethology</p>	<p>Cardiology Endocrinology Nephrology Veterinary Ophthalmology Animal Dentistry</p>

		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 diagnostics Laboratory diagnostics of infectious and invasive diseases Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Diseases of exotic animals Anesthesiology, resuscitation and intensive care	
PC-5	The ability to make a diagnosis based on the analysis of anamnesis data, general, special (instrumental) and laboratory research methods	Veterinary Genetics Cytology, histology and embryology Physiology and ethology of animals Breeding with the basics of private zootechnics Feeding animals with the basics of feed production Pathological physiology Clinical diagnostics Pathological anatomy Toxicology Obstetrics, Gynecology and Andrology Internal non-communicable diseases General	Endocrinology Nephrology Reconstructive and reconstructive surgery Veterinary Ophthalmology Animal Dentistry

		<p>Surgery Private Veterinary Surgery Parasitology and invasive diseases Epizootology and infectious diseases Forensic veterinary examination and autopsy of animals Zoopsychology Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Bee diseases and entomophages Fish pathology and aquaculture Diseases of exotic animals Anesthesiology, resuscitation and intensive care</p>	
PC-6	The ability to develop a treatment plan for animals based on the established diagnosis and individual characteristics of animals.	<p>Veterinary Genetics Veterinary Microbiology and Mycology Virology and 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 Mathematics Immunology Zoopsychology Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets</p>	<p>Cardiology Endocrinology Nephrology Reconstructive and reconstructive surgery Veterinary Ophthalmology Animal Dentistry</p>

		Bee diseases and entomophages Fish pathology and aquaculture Diseases of exotic animals Anesthesiology, resuscitation and intensive care	
PC-7	The ability to choose the necessary medicaments of chemical and biological nature for the treatment of animals, taking into account their combined pharmacological effect on the organism.	Inorganic and analytical chemistry Organic chemistry Physical and colloidal chemistry Biological chemistry Veterinary Microbiology and Mycology Virology and 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 Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Bee diseases and entomophages Fish pathology and aquaculture Diseases of exotic animals Anesthesiology, resuscitation and intensive care	Cardiology Endocrinology Nephrology Veterinary Ophthalmology Animal Dentistry
PC-8	Ability to choose methods of non-drug therapy, including	Перевод на Английский. Veterinary Microbiology and	Cardiology Endocrinology Nephrology

	physiotherapeutic methods for treating animals	<p>Mycology Virology and Biotechnology</p> <p>Physiology and ethology of animals Feeding animals with the basics of feed production</p> <p>Pathological physiology</p> <p>Veterinary Radiobiology</p> <p>Internal non-communicable diseases</p> <p>General Surgery Private Veterinary Surgery</p> <p>Diseases of horses</p> <p>Diseases of productive animals Diseases of small pets Diseases of small pets Diseases of exotic animals</p> <p>Anesthesiology, resuscitation and intensive care</p>	<p>Reconstructive and reconstructive surgery</p> <p>Veterinary</p> <p>Ophthalmology</p> <p>Animal Dentistry</p>
PC-9	Ability to carry out medical, including physiotherapy, procedures using special equipment in compliance with safety rules	<p>Перевод на Английский. Animal anatomy Life safety</p> <p>Veterinary</p> <p>Microbiology and Mycology Virology and Biotechnology</p> <p>Physiology and ethology of animals Pathological physiology</p> <p>Veterinary Radiobiology</p> <p>General Surgery Private Veterinary Surgery</p> <p>Diseases of horses</p> <p>Diseases of productive animals Diseases of small pets Diseases of small pets Diseases of exotic animals</p> <p>Anesthesiology, resuscitation and intensive care</p>	<p>Cardiology</p> <p>Endocrinology</p> <p>Nephrology</p> <p>Reconstructive and reconstructive surgery</p> <p>Veterinary</p> <p>Ophthalmology</p> <p>Animal Dentistry</p>
PC-10	The ability to determine the need for the use of surgical and surgical methods in the treatment of	<p>Перевод на Английский. Veterinary</p> <p>Genetics Cytology, histology and embryology</p> <p>Veterinary</p>	<p>Cardiology</p> <p>Endocrinology</p> <p>Nephrology</p> <p>Reconstructive and reconstructive surgery</p>

	animals	Microbiology and Mycology Physiology and ethology of animals Pathological physiology Clinical diagnostics Pathological anatomy Obstetrics, Gynecology and Andrology General Surgery Private Veterinary Surgery Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Diseases of exotic animals	Veterinary Ophthalmology Animal Dentistry
PC-11	Ability to develop a plan for a surgical operation, including the choice of a method of pain relief	Animal anatomy Veterinary Microbiology and Mycology Physiology and ethology of animals Pathological physiology Veterinary Pharmacology Pathological anatomy Operative surgery with topographic anatomy Obstetrics, Gynecology and Andrology General Surgery Private Veterinary Surgery Anesthesiology, resuscitation and intensive care	Cardiology Endocrinology Nephrology Reconstructive and reconstructive surgery
PC-13	Ability to develop recommendations for special feeding of sick animals for therapeutic purposes	Physiology and ethology of animals Feeding animals with the basics of feed production Pathological physiology Internal non-communicable diseases General Surgery Private Veterinary Surgery Medicinal and	Cardiology Endocrinology Nephrology

		poisonous plants Forage plants Anesthesiology, resuscitation and intensive care	
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	Перевод на Английский. Cytology, histology and embryology Physiology and ethology of animals 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 Parasitology and invasive diseases Epizootology and infectious diseases Clinical laboratory diagnostics Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Diseases of exotic animals Anesthesiology, resuscitation and intensive care	Cardiology Endocrinology Nephrology Reconstructive and reconstructive surgery Veterinary Ophthalmology Animal Dentistry
PC-18	The ability to draw up a plan for clinical examination of animals, taking into account their types and purpose, conduct medical examination, develop recommendations for conducting therapeutic and prophylactic and therapeutic measures	Перевод на Английский. Veterinary Genetics 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	Cardiology Endocrinology Nephrology Veterinary Ophthalmology Animal Dentistry

	based on the results of examination of animals carried out as part of medical examination	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 Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Diseases of exotic animals	
PC-19	He is able, based on the results of medical examination, to give recommendations on the implementation of therapeutic and preventive and curative measures aimed at improving the health of a group of animals	Перевод на Английский. Animal anatomy Cytology, histology and embryology Life safety Pathological anatomy 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 expertise Forensic veterinary examination and autopsy of animals Clinical laboratory diagnostics Laboratory diagnostics of infectious and invasive diseases Diseases of horses Diseases of productive animals Diseases of small pets Bee diseases and entomophages Fish pathology and aquaculture Diseases of	Cardiology Endocrinology Nephrology Veterinary Ophthalmology Animal Dentistry

		exotic animals	
PC-24	Ability and readiness to promote veterinary knowledge, including in the field of animal disease prevention	<p>Перевод на Английский. 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 Pathological anatomy Toxicology Obstetrics, Gynecology and Andrology Internal non-communicable diseases General Surgery Private Veterinary Surgery Parasitology and invasive diseases Epizootology and infectious diseases Fundamentals of Rhetoric and Communication Introduction to the specialty General and veterinary ecology Veterinary sanitation Veterinary Deontology Economics and organization of agricultural production Medicinal and poisonous plants Forage plants Zoopsychology Animal Health Diseases of horses Diseases of productive animals Diseases of small pets Diseases of small pets Bee diseases and entomophages Fish pathology and aquaculture Diseases of exotic animals</p>	<p>Cardiology Endocrinology Nephrology Reconstructive and reconstructive surgery Veterinary Ophthalmology Animal Dentistry Foreign language for special purposes Russian for special purposes Foreign language. Translation of special texts Russian. Translation of special texts Foreign language. Professional Communications Russian. Professional Communications</p>

4. COURSE WORKLOAD AND TRAINING ACTIVITIES

Course workload of the discipline "**Dermatology**" is 10 credits.

Table 4.1. Types of academic activities during the period of the HE program mastering for **full-time** study

Types of academic activities		HOURS	Semesters			
			9	-	-	-
Contact academic hours		54	54	-	-	-
including						
Lectures		18	18	-	-	-
Lab work		36	36	-	-	-
Seminars (workshops/tutorials)		-	-	-	-	-
Self-study		38	38	-	-	-
Evaluation and assessment (exam/pass/fail grading)		16	16	-	-	-
Course workload	Academic hour	108	108	-	-	-
	Credit unit	3	3	-	-	-

Table 4.2. Types of academic activities during the period of the HE program mastering for **part-time** study

Types of academic activities		HOURS	Semesters			
			A	-	-	-
Contact academic hours		36	36	-	-	-
including						
Lectures		-	-	-	-	-
Lab work		36	36	-	-	-
Seminars (workshops/tutorials)		-	-	-	-	-
Self-study		62	62	-	-	-
Evaluation and assessment (exam/pass/fail grading)		10	10	-	-	-
Course workload	Academic hour	108	108	-	-	-
	Credit unit	3	3	-	-	-

5. CONTENT OF THE DISCIPLINE

Table 5.1 Content of the discipline (module) by type of academic work

Name of the discipline section	Content of the section (topics)	Types of academic activities
Section 1. Introduction to Dermatology	Topic 1.1 Methods of skin research	Lectures, Lab work
	Topic 1.2 Bacterial skin diseases: furunculosis of the back of the nose, pyoderma of the skin folds, dermatitis, etc., as well as their methods of treatment.	Lectures, Lab work
Section 2. Superficial mycoses and immunological skin diseases that are complicated by bacterial infection.	Topic 2.1. Superficial mycoses, candidiasis, malassesiosis and treatments.	Lectures, Lab work
	Topic 2.2. Immunological dermatitis complicated by bacterial infection: autoimmune, psychogenic, allergic.	Lectures, Lab work

6. CLASSROOM INFRASTRUCTURE AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Material and technical support of the discipline

<i>Classroom for Academic Activity Type</i>	<i>Equipping the classroom</i>	Specialized educational/laboratory equipment, software and materials for the development of the discipline (if necessary)
Lecture	An auditorium for conducting lecture-type classes, equipped with a set of specialized furniture; a board (screen) and technical means of multimedia presentations.	-
Laboratory	An auditorium for laboratory work, individual consultations, routine monitoring and interim certification, equipped with a set of specialized furniture and equipment.	-

Self-studies	An auditorium for independent work of students (can be used for seminars and consultations), equipped with a set of specialized furniture and computers with access to an electronic information and educational environment.	-
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7. RECOMMENDED SOURCES FOR COURSE STUDIES

Main reading:

1. Clinical diagnostics of internal non-contagious diseases of animals / B.V. Usha, I.M. Belyakov, R.P. Pushkarev. - Electronic text data. - St. Petersburg : Quadro, 2020. - 487 p. : ill. - (Textbooks and teaching aids for higher education institutions). - ISBN 978-5-906371-03-4
2. Fundamentals of infectious diagnostics : uchebnoe posobie / V.V. Makarov, D.A. Lozovoy, V.I. Belousov, A.K. Petrov. - Vladimir : FGBU "VRIAH", 2019. - 137 p. : ill. - ISBN 978-5-900026-71-8

Additional Reading:

1. Diseases of horses. Modern methods of treatment: trans. with English / E.N. Robinson, M.R. Wilson. - M. : Aquarium, 2007. - 1008 p. : ill. - (Practice of a veterinarian). - ISBN 978-5-98435-791-3
2. Infectious diseases of animals : textbook / A.A. Sidorchuk, N.A. Massimov, V.L. Krupalnik [i dr.] ; ed. by A.A. Sidorchuk. - 2nd ed. - Moscow : INFRA-M, 2020. - 954 p. : ill. - (Higher Education. Specialist's Degree). - ISBN 978-5-16-010419-5

Resources of the Internet information and telecommunication network:

1. Electronic library system of RUDN and third-party Electronic library systems to which university students have access on the basis of concluded contracts:
 - Electronic library system of RUDN - ELS RUDN <http://lib.rudn.ru/MegaPro/Web>
 - ELS "University Library online" <http://www.biblioclub.ru>
 - ELS Yurayt <http://www.biblio-online.ru>
 - ELS "Student Consultant" www.studentlibrary.ru
 - ELS "Lan" <http://e.lanbook.com/>
 - ELS "Trinity Bridge" <http://www.trmost.com/>
2. Databases and search engines:
 - electronic fund of legal and regulatory and technical documentation <http://docs.cntd.ru/>
 - search engine Yandex <https://www.yandex.ru/>
 - search engine Google <https://www.google.ru/>

- abstract database SCOPUS [http://www.elsevier.com/locate/scopus/](http://www.elsevier.com/locate/scopus)
Educational and methodological materials for independent work of students during the development of the discipline/ module*:

1. A course of lectures on the discipline "**Dermatology**".
2. Laboratory workshop on the discipline "**Dermatology**".

* - All educational and methodological materials for independent work of students are placed in accordance with the current procedure on the discipline page in the **Telecommunication educational and Information System!**

8. MID-TERM ASSESSMENT

Evaluation materials and a point-rating system* for assessing the level of competence formation (part of competencies) based on the results of mastering the discipline " **Dermatology** " are presented in the Appendix to this Work Program of the discipline.

* - Assessment Materials and a Point Rating System are formed based on the requirements of the relevant local regulatory act of the RUDN.

DEVELOPER:

Professor of the Department of Veterinary Medicine

Position, Basic curriculum

Signature

Vatnikov Yu.A.

Full name.

HEAD OF THE DEPARTMENT:

Department of Veterinary Medicine

Name Basic Curriculum

Signature

Vatnikov Yu.A.

Full name.

HEAD OF THE HIGHER EDUCATION PROGRAM:

Director of the Department of Veterinary Medicine

Position, Basic curriculum

Signature

Vatnikov Yu.A.

Full name