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# **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
Couc	Competence	
GPC-2	The ability to interpret and evaluate in professional activity the influence of natural, socioeconomic, genetic and economic factors on the physiological state of the animal organism.	accomplishment (within the discipline) 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	PC-4.1 Able to perform additional
	studies of animals using special	examinations of animals using laboratory
	(instrumental) and laboratory	methods to clarify the diagnosis
	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	PC-5.1 Is able to diagnose different types
100	based on the analysis of	of patients based on analysis of anamnesis,
	anamnesis data, general, special	general, special (instrumental) and
	(instrumental) and laboratory	laboratory examination data
	research methods	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	PC-6.1 He is able to develop a treatment
	treatment plan for animals	plan for animals based on the established
	based on the established	diagnosis and individual characteristics of
	diagnosis and individual characteristics of animals.	the animals.  PC-6.2 He is able to develop
	characteristics of 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
DC 7	771 1.1124 4 1	examination.
PC-7	The ability to choose the	
	necessary medicaments of	ر ک
	chemical and biological nature for the treatment of animals,	for the treatment of animals, guided by the principles of evidence-based medicine,
	taking into account their	taking into account their combined
	combined pharmacological	pharmacological effect on the body
	effect on the organism.	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
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
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	animals of different species.  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
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	treatment.  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
		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	Biology with the basics	Cardiology
		of ecology	Endocrinology
	professional activity	Veterinary Genetics	Nephrology
	the influence of	Veterinary	Veterinary
	natural, socio-	Microbiology and	Ophthalmology
	economic, genetic and	Mycology	Animal Dentistry
	economic factors on	Virology and	
	the physiological state	Biotechnology	
	of the animal	Physiology and ethology	

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 noncommunicable diseases General Surgery Veterinary Private 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 diseases Bee and entomophages pathology Fish and aquaculture Diseases of exotic animals Anesthesiology, resuscitation and intensive care

organism.

GPC-4 Ability Inorganic and analytical Cardiology to use professional activity Endocrinology chemistry methods of solving Organic chemistry Nephrology problems using Biological physics Reconstructive modern equipment in Informatics reconstructive surgery development Physical and colloidal Veterinary new technologies and chemistry Ophthalmology use modern Cytology, histology and **Animal Dentistry** to professional embryology methodology Biological chemistry for conducting Veterinary experimental research Microbiology and and interpreting their Mycology results. 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 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

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		Fundamentals of	
		Intellectual Work	
		Personality Psychology	
		and Professional Self-	
		Determination	
		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	
		Bee diseases and	
		entomophages and	
		Fish pathology and	
		aquaculture	
		Diseases of exotic	
		animals	
		Anesthesiology,	
		resuscitation and	
		intensive care	
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GPC-5	The ability to draw up	Veterinary Genetics	Cardiology
GPC-5	special	Informatics	Endocrinology
GPC-5	special documentation,	Informatics Breeding with the basics	
GPC-5	special documentation, analyze the results of	Informatics Breeding with the basics of private zootechnics	Endocrinology
GPC-5	special documentation, analyze the results of professional activity	Informatics Breeding with the basics of private zootechnics Clinical diagnostics	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non-	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases Parasitology and	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases Parasitology and invasive diseases	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases Parasitology and invasive diseases Epizootology and	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases Parasitology and invasive diseases Epizootology and infectious diseases	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases Parasitology and invasive diseases Epizootology and infectious diseases Veterinary and sanitary	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases Parasitology and invasive diseases Epizootology and infectious diseases Veterinary and sanitary expertise	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases Parasitology and invasive diseases Epizootology and infectious diseases Veterinary and sanitary expertise Organization of	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases Parasitology and invasive diseases Epizootology and infectious diseases Veterinary and sanitary expertise Organization of veterinary affairs	Endocrinology
GPC-5	special documentation, analyze the results of professional activity and submit accounting documents using	Informatics Breeding with the basics of private zootechnics Clinical diagnostics Pathological anatomy Operative surgery with topographic anatomy Instrumental diagnostic methods Obstetrics, Gynecology and Andrology Internal non- communicable diseases Parasitology and invasive diseases Epizootology and infectious diseases Veterinary and sanitary expertise Organization of	Endocrinology

		Toxicology Obstetrics, Gynecology	
		and Andrology	
		Internal non-	
		communicable diseases	
		General Surgery	
		Private Veterinary	
		Surgery	
		Parasitology and	
		invasive diseases	
		Epizootology and	
		infectious diseases Fundamentals of	
		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	
		resuscitation and intensive care	
PC-3	Ability to develop	Animal anatomy	Cardiology
103	animal research	•	Endocrinology
	programs using	Biological physics	Nephrology
	special (instrumental)	Physical and colloidal	Reconstructive and
	and laboratory	chemistry	reconstructive surgery
	methods	Biological chemistry	Veterinary
		Veterinary	Ophthalmology
		Microbiology and	Animal Dentistry
		Mycology	
		Virology and	
		Biotechnology  Physiology and othelogy	
		Physiology and ethology of animals	
		Pathological physiology	
		Clinical diagnostics	
		Pathological anatomy	
		Instrumental diagnostic	
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		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	
DC 4	The ability to conduct		Cardiology
F C-4	T	•	
	`	• • •	_
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	clarity the diagnosis	•	Animal Dentistry
		Physiology and ethology	
PC-4	The ability to conduct clinical studies of animals using special (instrumental) and laboratory methods to clarify the diagnosis	intensive care  Animal anatomy Biological physics Cytology, histology and embryology Biological chemistry Veterinary Microbiology and Mycology Virology and Biotechnology	Cardiology Endocrinology Nephrology Veterinary Ophthalmology Animal Dentistry

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		of animals Pathological physiology	
		Clinical diagnostics	
		Pathological anatomy	
		Instrumental diagnostic	
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		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	Veterinary Genetics	Endocrinology
1 C-3	diagnosis based on the	Cytology, histology and	Nephrology
	_		
	analysis of anamnesis	embryology Physiology	
	data, general, special	and ethology of animals	reconstructive surgery
	(instrumental) and	Breeding with the basics	Veterinary
	laboratory research	of private zootechnics	Ophthalmology
	methods	Feeding animals with	Animal Dentistry
		the basics of feed	
		production Pathological	
		physiology Clinical	
		diagnostics Pathological	
		anatomy Toxicology	
		Obstetrics, Gynecology	
		and Andrology Internal	
		non-communicable	
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		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	
		michigive care	
PC-6	The ability to develop	Veterinary Genetics	Cardiology
	a treatment plan for	· · · · · · · · · · · · · · · · · · ·	Endocrinology
	animals based on the	Microbiology and	Nephrology
	established diagnosis		Reconstructive and
	and individual		reconstructive surgery
	characteristics of	Pathological physiology	
	animals.	Veterinary	Ophthalmology
	- <del> </del>	Pharmacology	Animal Dentistry
		Toxicology Obstetrics,	
		Gynecology and	
		Andrology Internal non-	
		communicable diseases	
		General Surgery Private	
		Veterinary Surgery	
		Parasitology and	
		invasive diseases	
		Epizootology and	
		infectious diseases	
		Mathematics diseases	
		Immunology	
		Zoopsychology Diseases	
		of horses Diseases of	
		productive animals	
		Diseases of small pets	
	I	Discases of siliali pels	
		Diseases of small pets	

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.	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	Cardiology Endocrinology Nephrology Veterinary Ophthalmology Animal Dentistry
		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 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	
PC-8	Ability to choose methods of non-drug therapy, including	Перевод на Английский. Veterinary Microbiology and	Cardiology Endocrinology Nephrology

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

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	animals	Microbiology and	Veterinary
		Mycology Physiology	Ophthalmology
		and ethology of animals	Animal Dentistry
		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	
PC-11	Ability to develop a	Animal anatomy	Cardiology
1 0-11	plan for a surgical	Veterinary	Endocrinology
	operation, including	Microbiology and	Nephrology
	the choice of a method	Mycology	Reconstructive and
	of pain relief	Physiology and ethology	reconstructive surgery
	or pain rener	of animals	reconstructive surgery
		Pathological physiology	
		Veterinary	
		Pharmacology	
		Pathological anatomy	
		Operative surgery with	
		topographic anatomy	
		1 0 1	
		Obstetrics, Gynecology	
		and Andrology	
		General Surgery	
		Private Veterinary	
		Surgery	
		Anesthesiology,	
		resuscitation and	
DC 12	A1 '1', 1 1	intensive care	C 1: 1
PC-13	Ability to develop	Physiology and ethology	Cardiology
	recommendations for	of animals	Endocrinology
	special feeding of sick	Feeding animals with	Nephrology
	animals for	the basics of feed	
	therapeutic purposes	production	
		Pathological physiology	
		Internal non-	
		communicable diseases	
		General Surgery	
		Private Veterinary	
		Surgery	
		Medicinal and	

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 effectivenes of treatment where the effectivenes and treatment and adjust the treatment plan for animals (if necessary) based on the results of evaluating the effectivenes of treatment and adjust the refeterivenes of treatment and adjust the effectivenes of treatment and adjust the refeterivenes of treatment and adjust the effectivenes of evaluating the effectivenes of treatment and adjust the effectivenes of treatment and adjust the results of evaluating the effectivenes of treatment and adjust the effectivenes of treatment and adjust the plant of the effectivenes of treatment and adjust the plant of the		Ī		
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and prophylactic and physical axy. Vatarinamy		conducting therapeutic	production Pathological	
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therapeutic measures Pharmacology Clinical				

	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 noncommunicable 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		Cardiology Endocrinology Nephrology Veterinary Ophthalmology Animal Dentistry

		exotic animals	
PC-24	Ability and readiness	Перевод на	Cardiology
·	to promote veterinary	Английский.	Endocrinology
	knowledge, including	Physiology and ethology	Nephrology
	in the field of animal	of animals Breeding	Reconstructive and
	disease prevention	with the basics of	reconstructive surgery
	disease prevention	private zootechnics	Veterinary
		1	· · · · · · · · · · · · · · · · · · ·
			Ophthalmology
		welfare Feeding animals	Animal Dentistry
		with the basics of feed	Foreign language for
		production Pathological	special purposes
		physiology Pathological	Russian for special
		anatomy Toxicology	purposes
		Obstetrics, Gynecology	Foreign language.
		and Andrology Internal	Translation of special
		non-communicable	texts
		diseases General	Russian. Translation
		Surgery Private	of special texts
		Veterinary Surgery	Foreign language.
		Parasitology and	Professional
		invasive diseases	Communications
		Epizootology and	Russian. Professional
		infectious diseases	Communications
		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	
	1		İ

# 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 <u>full-time</u> study

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

Table 4.2. Types of academic activities during the period of the HE program mastering for <u>part-time</u> study

Types of academic activities	Trues of a adamic activities			Seme	esters	
Types of academic activities			A	-	-	-
Contact academic hours		36	36	-	-	-
including						
Lectures		-	-	-	-	-
Lab work		36	36	-	-	-
Seminars (workshops/tutorials)		-	-	-	-	-
Self-study		62	62	-	-	-
Evaluation and assessment (exa	ım/pass/fail	10	10	-	-	-
grading)						
	Academic	108	108	-	-	-
Course workload hour						
Course workload	Credit	3	3	-	-	-
unit						

# 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	Topic 2.1. Superficial mycoses, candidiasis, malassesiosis and treatments.	Lectures, Lab work
diseases that are complicated by bacterial infection.	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

Classroom for Academic Activity Type	Equipping the classroom	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.	

## 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
- 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 <a href="http://docs.cntd.ru/">http://docs.cntd.ru/</a>
- search engine Yandex https://www.yandex.ru/
- search engine Google https://www.google.ru/

- abstract database SCOPUS <a href="http://www.elsevierscience.ru/products/scopus/">http://www.elsevierscience.ru/products/scopus/</a> 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 <u>Telecommunication educational and Information System!</u>

## 8. MID-TERM ASSESSMENT

**DEVELOPER:** 

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.

# Professor of the Department of Veterinary Medicine Position, Basic curriculum Position, Basic curricul

Signature