

Документ подписан простой электронной подписью  
Информация о владельце:  
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Должность: Ректор  
Дата подписания: 09.06.2022 17:00:37  
Уникальный программный ключ:  
ca953a0120d891083f939673078ef1a989dae18a

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

## **WORKING COURSE SYLLABUS**

### **Introduction to the specialty**

**Recommended by the Methodological Council for the Education Field:**

**36.05.01 Veterinary medicine**

## 1. GOALS AND OBJECTIVES OF THE DISCIPLINE

The aim of mastering the discipline "**Introduction to the specialty**" is the formation of fundamental and professional knowledge about the history of the formation of the specialty, the study of physiological processes and functions in the body of mammals and birds, about their anatomy, qualitative originality in the body of productive farm animals, domestic, laboratory and exotic animals, necessary for a veterinarian to scientifically substantiate measures related to the creation of the aim is to ensure optimal conditions for keeping, feeding and exploiting animals, preventing diseases, assessing health, the nature and degree of violations of the activity of organs and the body, determining ways and means of influencing the body in order to correct the activity of organs.

## 2. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

The development of the discipline "**Introduction to the specialty**" 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)*

<b>Code</b>	<b>Competence</b>	<b>Indicators of competence accomplishment (within the discipline)</b>
UK -2	The ability to manage a project at all stages of its life cycle.	UK-2.1 Formulates a problem, the solution of which is directly related to the achievement of the project goal;
		UK -2.2 Defines the links between the tasks set and the expected results of their solution;
		UK -2.3 Within the framework of the tasks set, determines the available resources and restrictions, the current legal norms;
		UK -2.4 Analyzes the schedule for the implementation of the project as a whole and chooses the best way to solve the tasks, based on the current legal norms and available resources and limitations;
		UK -2.5 Monitors the progress of the project, adjusts the schedule in accordance with the results of the control.
UK -3	The ability to organize and manage the work of the team, developing a team strategy to achieve the goal.	UK-3.1 Defines his role in the team based on the strategy of cooperation to achieve the goal;
		UK-3.2 Formulates and takes into account in its activities the peculiarities of the behavior of groups of people, identified depending on the goal;

		UK-3.3 Analyzes the possible consequences of personal actions and plans his actions to achieve the desired result;
		UK-3.4 Exchanges information, knowledge and experience with team members;
		UK -3.5 Argues his point of view regarding the use of the ideas of other team members to achieve the goal;
		UK -3.6 Participates in team work on the execution of assignments.
UK -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 education.	UK-6.1 Controls the amount of time spent on specific activities;
		UK-6.2 Develops tools and methods of time management when performing specific tasks, projects, goals;
		UK -6.3 Analyzes its resources and their limits (personal, situational, temporary, etc.), for the successful completion of the task;
		UK -6.4 Finds and uses sources of additional information to increase the level of general and professional knowledge;
		UK -6.5 Analyzes the main opportunities and tools of continuing education in relation to their own interests and needs, taking into account the conditions, means, personal capabilities, stages of career growth, time prospects for the development of activities and the requirements of the labor market;
		UK -6.6 Defines the tasks of self-development, goals and priorities of professional growth;
		UK -6.7 Distributes tasks into long-, medium- and short-term ones with justification of relevance and analysis of resources for their implementation.
GPC -6	The ability to analyze, identify and assess the risk of the risk of the occurrence and spread of	GPC-6.1 Has knowledge in the field of etiology and pathogenesis of animal diseases of different species.

	diseases.	GPC-6.2 Has the skills to diagnose non-infectious, infectious and invasive diseases, identify pathogens of infectious and invasive diseases in animals.
		GPC-6.3 He knows the patterns of the occurrence and spread of diseases in animal populations, factors predisposing to diseases and the causes of possible complications.
PC -24	Ability and willingness to promote veterinary knowledge, including in the field of prevention of animal diseases.	PC-24.1 He is able to set goals in the field of veterinary knowledge promotion, plan the strategy and tactics of upcoming events.
		PC-24.2 He is able to use computer and telecommunication facilities for the preparation and demonstration of materials used in the process of promoting veterinary knowledge.
		PC-24.3 He is able to conduct conversations, lectures, seminars for employees of the organization in order to explain the principles of work on the prevention of animal diseases.

### 3. COURSE IN HIGHER EDUCATION

The discipline "**Introduction to the specialty**" refers to the mandatory part of 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 "**Introduction to the specialty**".

*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)
UK -2	The ability to manage a project at all stages of its life cycle.	Philosophy Organization of veterinary business Mathematics	Fundamentals of Economics and Management Veterinary deontology Economics and organization of agricultural production Fundamentals of

			<p>intellectual work          Personality psychology and professional self-determination          Veterinary and industrial laboratories with the basics of design          Career Management          Space technologies in the service of the agro-industrial complex</p>
UK -3	The ability to organize and manage the work of the team, developing a team strategy to achieve the goal.	<p>Jurisprudence          Life safety          Operative surgery with topographic anatomy          Internal non-infectious diseases          General surgery          Private Veterinary surgery          Parasitology and invasive diseases          Epizootology and infectious diseases          Organization of veterinary business          Mathematics          Fundamentals of rhetoric and communication</p>	<p>Fundamentals of Economics and Management          Veterinary sanitation          Veterinary deontology          Fundamentals of intellectual work          Personality psychology and professional self-determination          Fundamentals of social and legal knowledge</p>
UK -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 education.	<p>Philosophy          Internal non-infectious diseases          General surgery          Private Veterinary surgery          Epizootology and infectious diseases          Organization of veterinary business          Mathematics</p>	<p>Veterinary deontology          Fundamentals of intellectual work          Personality psychology and professional self-determination          Career Management          Fundamentals of social and legal knowledge          Reconstructive and reconstructive surgery</p>
GPC -6	The ability to analyze, identify and assess the risk of the risk of the occurrence and spread of diseases.	<p>Biology with the basics of ecology          Life safety          Veterinary microbiology and mycology</p>	<p>General and veterinary ecology          Veterinary sanitation          Technology of processing livestock products</p>

		<p>Virology and biotechnology  Animal health and welfare  Feeding animals with the basics of feed production  Veterinary Radiobiology  Clinical diagnosis  Pathological anatomy  Instrumental diagnostic methods  Toxicology  Obstetrics, gynecology and andrology  Internal non-infectious diseases  General surgery  Private Veterinary surgery  Parasitology and invasive diseases  Epizootology and infectious diseases  Veterinary and sanitary examination  Organization of veterinary business  Forensic veterinary examination and autopsy of animals</p>	<p>Medicinal and poisonous plants  Forage plants  Animal Health  Clinical laboratory diagnostics  Laboratory diagnostics of infectious and invasive diseases  Organization of state veterinary supervision  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, intensive care and intensive care  Veterinary  Ophthalmology  Animal Dentistry</p>
PC -24	<p>Ability and willingness to promote veterinary knowledge, including in the field of prevention of animal diseases.</p>	<p>Physiology and ethology of animals  Breeding with the basics of private animal husbandry  Animal health and welfare  Feeding animals with the basics of feed production  Pathological physiology  Pathological anatomy</p>	<p>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</p>

		Toxicology Obstetrics, gynecology and andrology Internal non- infectious diseases General surgery Private Veterinary surgery Parasitology and invasive diseases Epizootology and infectious diseases Fundamentals of rhetoric and communication	animals Diseases of small pets Diseases of small pets Bee diseases and entomophages Fish pathology and aquaculture Diseases of exotic animals Dermatology 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 language. Translation of special texts Foreign language. Professional communications Russian language. Professional communications
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#### 4. COURSE WORKLOAD AND TRAINING ACTIVITIES

Course workload of the discipline "**Introduction to the specialty**" is 3 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			
		1	-	-	-
Contact academic hours	36	36	-	-	-
including					
Lectures	-	-	-	-	-

Lab work		-	-	-	-	-
Seminars (workshops/tutorials)		36	36	-	-	-
Self-study		62	62	-	-	-
Evaluation and assessment (exam/pass/fail grading)		10	10	-	-	-
<b>Course workload</b>	Academic hour	<b>108</b>	<b>108</b>	-	-	-
	Credit unit	<b>3</b>	<b>3</b>	-	-	-

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				
		1	-	-	-	
Contact academic hours	13	13	-	-	-	
including						
Lectures	-	-	-	-	-	
Lab work	-	-	-	-	-	
Seminars (workshops/tutorials)	13	13	-	-	-	
Self-study	85	85	-	-	-	
Evaluation and assessment (exam/pass/fail grading)	10	10	-	-	-	
<b>Course workload</b>	Academic hour	<b>108</b>	<b>108</b>	-	-	-
	Credit unit	<b>3</b>	<b>3</b>	-	-	-

## 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. History of veterinary medicine in the world	Topic 1.1. The origin of veterinary medicine.	Seminar classes
	Topic 1.2. Veterinary medicine in the ancient world.	Seminar classes
	Topic 1.3. Veterinary medicine in the Middle Ages and Renaissance (V-XV11 centuries).	Seminar classes
	Topic 1.4. Veterinary medicine in the Arab world.	Seminar classes
	Topic 1.5. Veterinary medicine of the X11 – XX centuries.	Seminar classes



	Topic 1.6. Veterinary communities.	Seminar classes
Section 2. History of veterinary medicine in Russia.	Topic 2.1. Veterinary medicine of Russia before the XVIII century.	Seminar classes
	Topic 2.2. Veterinary medicine of noble Russia (XVIII century).	Seminar classes
	Topic 2.3. Measures aimed at preventing mass animal diseases.	Seminar classes
	Topic 2.4. Formation of the scientific basis of veterinary sanitation.	Seminar classes
	Topic 2.5. Pharmacy and popularization of knowledge of the basics of veterinary medicine.	Seminar classes
	Topic 2.6. Veterinary medicine of the period of the formation of pre-capitalist relations in Russia (1800 - 1860).	Seminar classes
	Topic 2.7. Veterinary medicine of the period of the formation of capitalism in Russia (from the 60s of the XIX century to 1917).	Seminar classes
	Topic 2.8. Veterinary medicine in the years of Soviet power.	Seminar classes
	Topic 2.9. Veterinary institutions.	Seminar classes
	Topic 2.10. Veterinary medicine during the Great Patriotic War.	Seminar classes
	Topic 2.11. Veterinary medicine in the post-war years.	Seminar classes

## 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>	<b>Specialized educational/laboratory equipment, software and materials for the development of the discipline (if necessary)</b>
Seminary	An auditorium for conducting seminar-type classes, group and individual consultations, ongoing monitoring and interim certification, equipped with a set of specialized furniture and multimedia presentation 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. Slesarenko N. A., Borkhunova E. N., Borunova S. M., Kuznetsov S. V., Abramov P. N., Shirokova E. O. Methodology of scientific research 2021.-268 p. <https://e.lanbook.com/book/156383>
2. Dyulger G.P., Tabakov G.P. Fundamentals of veterinary medicine – M.: Publishing House "Lan", 2018. – 476 p. <https://e.lanbook.com/book/103136>

### *Additional Reading:*

3. Khusainov D.M. Fundamentals of veterinary medicine – Almaty: Agrouniversitet, 2012. – 253 p.
4. Domnitskiy I.Yu., Salautin V.V., Terentyev A.A. History of veterinary medicine. – Saratov: Saratov State Agrarian University, 2016. – 28 p.
5. Donchenko A.S., Ostashko T.N., Samolovova T.N. Essays on the history of veterinary medicine in Siberia: 1917 – 1927, Novosibirsk, 2006, p.431
6. Mineeva T.I. History of veterinary medicine. – 1st ed. – St. Petersburg: Lan, 2005. – 384 p.
7. Mishanin M.Yu., Mishanin Yu.F. Fundamentals of veterinary medicine. – M.: Phoenix, 2007. – 665 p.

### *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](http://www.studentlibrary.ru)
  - ELS "Lan" <http://eZlanbook.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.elsevierscience.ru/products/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 "**Introduction to the specialty**".
2. Seminars workshop on the discipline "**Introduction to the specialty**".

\* - 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 "**Introduction to the specialty**" 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:

Senior Lecturer of the Department of Veterinary  
Medicine

Position, Basic curriculum

Signature

Troshina N. I.

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