

Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Ястребов Олег Александрович
Должность: Ректор
Дата подписания: 27.05.2026 16:12:57
Уникальный программный ключ:
ca953a0120d891083f939673078ef1a989dae18a

**Federal State Autonomous Educational Institution of Higher Education
Peoples' Friendship University of Russia named after Patrice Lumumba
RUDN University**

Agrarian and Technological Institute

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

COURSE SYLLABUS

Animal Dentistry

course title

Recommended by the Didactic Council for the Education Field of:

36.05.01 Veterinary

field of studies / speciality code and title

**The course instruction is implemented within the professional education programme
of higher education:**

Veterinary

higher education programme profile/specialisation title

1. COURSE GOAL(s)

The goal of the course "**Animal Dentistry**" is to familiarize students with the theoretical background, terminology, and concepts of the discipline, acquire theoretical knowledge, practical skills, and competencies in the diagnosis, prevention, and treatment of pathologies of the dentoalveolar apparatus, using knowledge of the fundamentals of biomedical and clinical disciplines, taking into account the laws governing the progression of pathologies in organs and body systems as a whole, and to analyse the patterns of functioning of organs and systems in dental diseases and pathological processes.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) "**Animal Dentistry**" is aimed at the development of the following competences /competences in part:

Table 2.1. List of competences that students acquire through the course study

Competence code	Competence descriptor	Competence formation indicators (within this course)
PC-3	Ability to plan activities for the differential diagnosis of diseases in a patient.	PC-3.1 Systematizes information on the symptoms/syndromes of a patient's disease, forming a set of preliminary diagnoses for their further confirmation or refutation.
		PC-3.2 Uses an existing or develops a unique algorithm for differential diagnosis, considering the capabilities of the healthcare institution.
		PC-3.3 Uses information obtained from diagnostic procedures to establish a final diagnosis (diagnoses) and correct previously established diagnoses if necessary.
PC-5	Ability and readiness to plan and conduct necessary types of instrumental diagnostics of the patient's condition.	PC-5.2 Selects the necessary and sufficient set of instrumental diagnostic methods to solve the assigned task.
		PC-5.3 Is able to conduct instrumental diagnostics of animal diseases.
		PC-5.4 Interprets diagnostic results and uses them to solve the assigned task.
PC-9	Ability to use surgical methods in the prevention, diagnosis, and treatment of animal diseases.	PC-9.1 Selects the appropriate surgical intervention method, including anesthesia methods if necessary.

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course "**Animal Dentistry**" refers to the elective component of (B1) block of the higher educational programme curriculum.

Within the higher education programme students also master other (modules) and / or internships that contribute to the achievement of the expected learning outcomes as results of the course study.

Table 3.1. The list of the higher education programme components/disciplines that contribute to the achievement of the expected learning outcomes as the course study results

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
PC-3	Ability to plan activities for the differential diagnosis of diseases in a patient.	Obstetrics, Gynecology and Andrology Internal Diseases General Surgery Private Surgery Parasitology and Invasive Diseases Dermatology Cardiology Endocrinology Oncology Neurology Nephrology Anesthesiology, Resuscitation And Intensive Therapy Reconstructive Surgery Veterinary Ophthalmology Behavioral Medicine	Clinical Industrial Practice Clinical Internship Industrial Research Practice
PC-5	Ability and readiness to plan and conduct necessary types of instrumental diagnostics of the patient's condition.	Instrumental Diagnostic Methods with Elements of Artificial Intelligence Technology Dermatology Cardiology Endocrinology Oncology Neurology Nephrology Reconstructive Surgery Veterinary Ophthalmology	Clinical Industrial Practice Clinical Internship Industrial Research Practice
PC-9	Ability to use surgical methods in the prevention, diagnosis, and treatment of animal diseases.	Operative Surgery with Topographic Anatomy Reconstructive Surgery Veterinary Ophthalmology	Clinical Industrial Practice Clinical Internship Industrial Research Practice

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course "Animal Dentistry" is 2 credits (72 academic hours).

Table 4.1. Types of academic activities during the periods of higher education programme mastering (**full-time training**)

Type of academic activities		Total academic hours	Semesters/training modules			
			9	-	-	-
<i>Contact academic hours</i>		<i>51</i>	<i>51</i>	-	-	-
including:						
Lectures (LC)		17	17	-	-	-
Lab work (LW)		34	34	-	-	-
Seminars (workshops/tutorials) (S)		-	-	-	-	-
<i>Self-studies</i>		<i>1</i>	<i>1</i>	-	-	-
<i>Evaluation and assessment (exam/passing/failing grade)</i>		<i>20</i>	<i>20</i>	-	-	-
Course workload	academic hours	72	72	-	-	-
	credits	2	2	-	-	-

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Module 1. Dentistry.	Topic 1.1 Anatomical and topographic characteristics of the oral cavity of animals.	LC, LW
	Topic 1.2 The device and equipment of a dental office in veterinary medicine. Tools.	LC, LW
	Topic 1.3 Organization of veterinary dental work.	LC, LW
	Topic 1.4 Timing of eruption and erasure of teeth in animals.	LC, LW
	Topic 1.5 Structural features of the dental apparatus in different animal species.	LC, LW
	Topic 1.6 Anomalies of dental bite and tooth erasure.	LC, LW
	Topic 1.7 Dental diseases of non-cariou origin.	LC, LW
	Topic 1.8 Dental diseases of non-cariou origin.	LC, LW
	Topic 1.9 General principles of surgical treatment of the dental system of animals.	LC, LW

6. CLASSROOM EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Classroom equipment and technology support requirements

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
Lecture	A lecture hall for lecture-type classes, equipped with a set of specialised furniture; board (screen) and technical means of multimedia presentations.	- <i>Ophthalmological and dental instruments</i>
Lab work	A classroom for laboratory work, individual consultations, current and mid-term assessment; equipped with a set of specialised furniture and machinery.	-- <i>Ophthalmological and dental instruments</i>
Self-studies	A classroom for independent work of students (can be used for seminars and consultations), equipped with a set of specialised furniture and computers with access to the electronic information and educational environment.	

7. RESOURCES RECOMMENDED FOR COURSE STUDY

Main readings:

1. Semenov B. S., Videnin V. N., Nechaev A. Yu., Kuznetsova T. S., Guseva V. A. Operative surgery in animals 2021.-704 p. <https://e.lanbook.com/book/162365>
2. Pavlov S. A., Kusheev C. B., Lomboeva S. S. Veterinary dentistry: A textbook for classes in veterinary dentistry for students studying in the specialty 36.05.01 Veterinary Medicine 2018.-124p. <https://e.lanbook.com/book/143174>

Additional Readings:

1. Timofeev S.V. Animal dentistry. - M.: Agrovvet, 2007. - 120 p.
2. Tutt Cedric, Diprose Judith, Crosley David Dentistry of dogs and cats. - Moscow: Aquarium-Print, 2015. - 224 p.

Internet sources

1. Electronic libraries (EL) of RUDN University and other institutions, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System (RUDN ELS) <http://lib.rudn.ru/MegaPro/Web>
- EL "University Library Online" <http://www.biblioclub.ru>
- EL "Yurayt" <http://www.biblio-online.ru>
- EL "Student Consultant" www.studentlibrary.ru
- EL "Lan" <http://e.lanbook.com/>
- EL "Trinity Bridge"

2. Databases and search engines:

- electronic foundation of legal and normative-technical documentation

<http://docs.cntd.ru/>

- Yandex search engine <https://www.yandex.ru/>
- Google search engine <https://www.google.ru/>
- Scopus abstract database <http://www.elsevierscience.ru/products/scopus/>

*Training toolkit for self- studies to master the course *:*

1. The set of lectures on the course "**Animal Dentistry**"
2. The laboratory workshop (if any).on the course "**Animal Dentistry**"

* The training toolkit for self- studies to master the course is placed on the course page in the university telecommunication training and information system under the set procedure.

DEVELOPERS:

Professor of the Department of Veterinary Medicine

Vatnikov Yu.A.

position, department

name and surname

HEAD OF EDUCATIONAL DEPARTMENT:

Department of Veterinary Medicine

Vatnikov Yu.A.

name of department

name and surname

HEAD

OF HIGHER EDUCATION PROGRAMME:

Director of the Department of Veterinary Medicine

Vatnikov Yu.A.

position, department

name and surname