

Документ подписан простой электронной подписью
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**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

Exotic Animal Diseases

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 «**Exotic Animal Diseases**» is to acquire skills in making the right decisions on the prevention of diseases and their treatment, mastering aspects of clinical work taking into account specific features, as well as modern methods used in treatment.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) «**Exotic Animal Diseases**» 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-1	Ability to collect the life and health history of an animal for further diagnosis and planning of treatment and preventive measures.	PC-1.1 Collects the life history of the animal, including information about scheduled vaccinations, deworming, and other preventive treatments.
		PC-1.2 Collects information about past diseases, surgical interventions, current chronic diseases, and ongoing therapy of these conditions.
		PC-1.3 Collects information about changes in the animal's condition during the disease, conducted diagnostic and therapeutic measures, used medications, and physiotherapy methods.
PC-2	Ability to perform a full primary clinical examination of an animal to establish a preliminary clinical diagnosis (diagnoses) and conduct follow-up examinations to monitor the patient's condition.	PC-2.1 Follows proper technique and procedure for clinical examination, taking into account the species and condition of the animal.
		PC-2.2 Identifies signs (symptoms) of deviation from normal function, recognizes standard combinations of symptoms (syndromes).
		PC-2.3 Records examination results in the patient's medical chart or other medical documents.
PC-10	Ability to analyze and adjust animal feeding to enhance the effectiveness of the therapeutic process and prescribe therapeutic diets.	PC-10.1 Able to analyze the patient's diet to identify factors predisposing to disease development.
		PC-10.2 Able to justify the appointment of special feeding for therapeutic purposes in various diseases.
		PC-10.3 Able to recommend the approximate composition of therapeutic diets, the desired ratio of nutrients, and the inclusion of special additives and components enhancing the therapeutic effect of the diet.

Competence code	Competence descriptor	Competence formation indicators (within this course)
		PC-10.4 Able to use special programs and databases to select commercial therapeutic diets and dietary supplements, as well as to create individualized therapeutic diets for animals of different species.

3.COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The course refers to the core/variable/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-1	Ability to collect the life and health history of an animal for further diagnosis and planning of treatment and preventive measures.	Clinical Diagnostics Fish Pathology and Aquaculture Equine Diseases Diseases of Farm Animals Bee Diseases and Entomophages	Educational Practice Clinical Industrial Practice Clinical Internship Industrial Research Practice
PC-2	Ability to perform a full primary clinical examination of an animal to establish a preliminary clinical diagnosis (diagnoses) and conduct follow-up examinations to monitor the patient's condition.	Fish Pathology and Aquaculture Equine Diseases Diseases of Farm Animals Bee Diseases and Entomophages	Educational Practice Clinical Industrial Practice Clinical Internship Industrial Research Practice
PC-10	Ability to analyze and adjust animal feeding to enhance the effectiveness of the therapeutic process and prescribe therapeutic diets.	Animal Nutrition and Feeding with Basics of Feed Production Medicinal and Poisonous Plants Fodder Plants Fish Pathology and Aquaculture Equine Diseases	Clinical Industrial Practice Clinical Internship Industrial Research Practice

Competence code	Competence descriptor	Previous courses/modules*	Subsequent courses/modules*
		Diseases of Farm Animals Bee Diseases and Entomophages	

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course is 3 credits (108 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>46</i>	<i>46</i>	-	-	-
<i>Evaluation and assessment (exam/passing/failing grade)</i>	<i>11</i>	<i>11</i>	-	-	-
Course workload	academic hours	108	108	-	-
	credits	3	3	-	-

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Module 1. Rodents	Topic 1.1. Infectious diseases, parasitic diseases and worm infestations in representatives of the rodent order.	Lectures, Lab work.
Module 2. Amphibians	Topic 2.1. Endoparasites, dermatitis, pneumonia, kidney diseases in representatives of the amphibian class.	Lectures, Lab work.
Module 3. Reptiles	Topic 3.1. Stomatitis, gout, tumors, heat stroke and intestinal infections in representatives of the reptile class.	Lectures, Lab work.
Module 4. Primates	Topic 4.1. Viral infections, pneumonia, parasitic infections and helminthiasis in representatives of the order primates.	Lectures, Lab work.

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.	
Lab work	A classroom for laboratory work, individual consultations, current and mid-term assessment; equipped with a set of specialised furniture and machinery.	
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. Clinical diagnostics of internal non-infectious animal diseases / B.V. Usha, I.M. Belyakov, R.P. Pushkarev. - Electronic text data. - St. Petersburg : Quadro, 2020. - 487 p. : ill. - (Textbooks and manuals for higher educational institutions). - ISBN 978-5-906371-03-4
2. Infectious diseases of animals : textbook / A.A. Sidorchuk, N.A. Maksimov, V.L. Kupalnik [et al.]; edited by A.A. Sidorchuk. - 2nd ed. - Moscow : INFRA-M, 2020. - 954 p. : ill. - (Higher education. Specialty). - ISBN 978-5-16-010419-5

Additional readings:

1. Protozoal diseases of animals dangerous to humans (protozoal zoonoses) : textbook / D.G. Latypov, R.R. Timerbaeva, E.G. Kirillov. - St. Petersburg : Publishing House "Lan", 2017. - 208 p. - (Textbooks for universities. Special literature). - ISBN 978-5-8114-2631-7.
2. Reptiles. Diseases and treatment / D. Yarofke, L. Jurgen ; Per. with German I.Kravets. - M. : Aquarium-print, 2005. - 324 p. - (Practice of a veterinarian). - ISBN 5-98435-470-5

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 "**Exotic Animal Diseases**".

2. The laboratory workshop (if any) on the course "**Exotic Animal Diseases**".

* 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.

DEVELOPER:

Professor of the Department of Veterinary Medicine

Position, Basic curriculum

Signature

Vatnikov Yu.A.

Full name.

HEAD OF EDUCATIONAL DEPARTMENT:

Department of Veterinary Medicine

Name Basic Curriculum

Signature

Vatnikov Yu.A.

Full name.

HEAD OF

HIGHER EDUCATION PROGRAMME:

Director of the Department of Veterinary Medicine

Position, Basic curriculum

Signature

Vatnikov Yu.A.

Full name