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Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
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. GOALS AND OBJECTIVES OF THE COURSE

The aim of mastering 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

The implementation of the course "**Exotic Animal Diseases**" 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 course (results of the development of the discipline)

Competence code	Competence descriptor	Indicators of competence accomplishment (within the discipline)
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.
		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 "**Exotic Animal Diseases**" 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 course "**Exotic Animal Diseases**".

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

Competence code	Competence descriptor	Previous courses/modules, internships*	Subsequent courses/modules, internships*
PC-1	Ability to collect the life and health history of an animal for further diagnosis and planning of treatment and preventive measures.	Base component / Базовая компонента Clinical Diagnostics / Клиническая диагностика	Base component / Базовая компонента Educational Practice / Учебная практика Variable component / Вариативная

		Fish Pathology and Aquaculture / Патология рыб и аквакультура Equine Diseases / Болезни лошадей Diseases of Farm Animals / Болезни продуктивных животных Small Animal Diseases / Болезни мелких домашних животных Bee Diseases and Entomophages / Болезни пчел и энтомофаги	компонента Clinical Industrial Practice / Клиническая производственная практика Clinical Internship Industrial Research Practice / Производственно-исследовательская практика Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы
PC-2	Ability to perform a full primary clinical examination of an animal to establish a preliminary clinical	Fish Pathology and Aquaculture / Патология рыб и аквакультура Equine Diseases /	Base component / Базовая компонента Educational Practice / Учебная практика

	diagnosis (diagnoses) and conduct follow-up examinations to monitor the patient's condition.	<p>Болезни лошадей</p> <p>Diseases of Farm Animals / Болезни продуктивных животных</p> <p>Small Animal Diseases / Болезни мелких домашних животных</p> <p>Bee Diseases and Entomophages / Болезни пчел и энтомофаги</p>	<p>Variable component / Вариативная компонента</p> <p>Clinical Industrial Practice / Клиническая производственная практика</p> <p>Clinical Internship</p> <p>Industrial Research Practice / Производственно-исследовательская практика</p> <p>Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена</p> <p>Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена</p> <p>Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы</p>
PC-10	Ability to analyze and adjust animal feeding to enhance the effectiveness of the therapeutic process and prescribe therapeutic diets.	<p>Base component / Базовая компонента</p> <p>Animal Nutrition and Feeding with Basics of Feed Production / Кормление животных с основами</p>	<p>Variable component / Вариативная компонента</p> <p>Clinical Industrial Practice / Клиническая производственная</p>

		кормопроизводства Medicinal and Poisonous Plants / Лекарственные и ядовитые растения Fodder Plants / Кормовые растения Fish Pathology and Aquaculture / Патология рыб и аквакультура Equine Diseases / Болезни лошадей Diseases of Farm Animals / Болезни продуктивных животных Small Animal Diseases / Болезни мелких домашних животных Bee Diseases and Entomophages / Болезни пчел и энтомофаги	практика Clinical Internship Industrial Research Practice / Производственно- исследовательская практика Preparation for Passing and Passing the State Exam / Подготовка к сдаче и сдача государственного экзамена Preparing and Passing the State Exam / Подготовка и сдача государственного экзамена Design, Preparation for Defense Procedure and Defense of the Graduation Thesis / Оформление, подготовка к процедуре защиты и защита выпускной квалификационной работы
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4. COURSE WORKLOAD AND TRAINING ACTIVITIES

Course workload of the course "**Exotic Animal Diseases**" 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			
		9	-	-	-
Contact academic hours	51	51	-	-	-
including					

Lectures		17	17	-	-	-
Lab work		34	34	-	-	-
Seminars (workshops/tutorials)		-	-	-	-	-
Self-study		46	46	-	-	-
Evaluation and assessment (exam/pass/fail grading)		11	11	-	-	-
Course workload	Academic hour	108	108	-	-	-
	Credit unit	3	3	-	-	-

5. COURSE CONTENTS

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

Modules	Content of the modules (topics)	Types of academic activities
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. COURSE EQUIPMENT 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 course (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. RESOURCES RECOMMENDED FOR COURSE STUDIES

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:

3. 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.
4. 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/](https://www.yandex.ru/)
- Google search engine <https://www.google.ru/>
- Scopus abstract database <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 course "**Exotic Animal Diseases**".
2. Laboratory workshop on the course "**Exotic Animal Diseases**".

* - The training toolkit and guidelines for the internship are placed on the internship page in the university telecommunication training and information system under the set procedure.

8. ASSESSMENT TOOLKIT AND GRADING SYSTEM* FOR EVALUATION OF STUDENTS' COMPETENCES LEVEL AS COURSE RESULTS

The assessment toolkit and the grading system* to evaluate the level of competences (competences in part) formation as the course results are specified in the Appendix to the course syllabus.

* The assessment toolkit and the grading system are formed on the basis of the requirements of the relevant local normative act of RUDN University (regulations / order).

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