

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

Behavioral Medicine

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 «**Behavioral Medicine**» is to develop students' knowledge about normal and pathological animal behavior, the causal factors of behavioral deviations, and methods of their correction, as well as to develop practical skills for interacting with animals, owners, and multidisciplinary veterinary teams when managing behavioral cases.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) «**Behavioral Medicine**» 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 differential diagnostic procedures for diseases in a patient.	PC-3.1. Systematizes information on symptoms/syndromes of the disease and forms a list of preliminary diagnoses for confirmation or exclusion.
		PC-3.2. Uses ready-made or develops a specific differential diagnostic algorithm considering the capabilities of the medical institution.
		PC-3.3. Uses diagnostic results to establish a final diagnosis and adjust previously established diagnoses if necessary.
PC-7	Ability to select or develop a treatment plan for a patient based on the established diagnosis.	PC-7.1. Selects necessary veterinary medicinal products according to evidence-based medicine principles and pharmacological effects.
		PC-7.2. Determines optimal route of administration, dosage, frequency and duration of treatment.
		PC-7.3. Selects non-drug treatment methods, including physiotherapy.
		PC-7.4. Develops a treatment plan and criteria for monitoring treatment effectiveness.
PC-8	Ability to coordinate the treatment plan with the animal owner and other participants in the treatment process and adjust it if necessary.	PC-8.1. Explains the selected treatment plan to the animal owner and obtains consent for treatment.
		PC-8.2. Communicates with the owner regarding changes in the patient's condition and treatment outcomes.
		PC-8.3. Explains treatment adjustments to the owner and medical personnel when changes occur.

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-3	Ability to plan differential diagnostic procedures for 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	Animal Dentistry
PC-7	Ability to select or develop a treatment plan for a patient based on the established diagnosis.	Veterinary Pharmacology Toxicology Dermatology Cardiology Endocrinology Oncology Neurology Nephrology Anesthesiology, Resuscitation And Intensive Therapy	Clinical Internship Industrial Research Practice
PC-8	Ability to coordinate the treatment plan with the animal owner and other participants in the treatment process and adjust it if necessary.	Veterinary Deontology	Clinical Industrial Practice Clinical Internship Industrial Research Practice

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course is _____ credits (_____ 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	Semesters/training modules
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	academic hours	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>	1	1	-	-	-
<i>Evaluation and assessment (exam/passing/failing grade)</i>	20	20	-	-	-
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. Fundamentals of Behavioral Medicine. Diagnosis of Behavioral Disorders.	Topic 1.1 Ethology: instincts, adaptive behavior, learning	Lectures, Lab work.
	Topic 1.2 Physiology of behavior: neurotransmitters, hormones, stress	Lectures, Lab work.
	Topic 1.3 Norms and deviations in the behavior of domestic and farm animals	Lectures, Lab work.
	Topic 1.4 Psycho-emotional state of animals and its assessment	Lectures, Lab work.
	Topic 1.5. Clinical interview with the owner: history taking	Lectures, Lab work.
	Topic 1.6. Methods of observation, testing, and video analysis	Lectures, Lab work.
	Topic 1.7. Differential diagnosis: behavioral vs organic causes Behavioral history and behavior assessment scales	Lectures, Lab work.
Module 2. Correction and Therapy	Topic 2.1. Methods of behavioral modification: desensitization, operant conditioning	Lectures, Lab work.
	Topic 2.2. Pharmacotherapy of behavioral disorders	Lectures, Lab work.
	Topic 2.3. Working with aggression, anxiety, and phobias	Lectures, Lab work.
	Topic 2.4. Behavior in cases of stress and frustration	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. Skopichev V. G. Animal Behavior: Textbook. — St. Petersburg: Lan Publishing, 2022. — 624 p. ISBN: 978-5-8114-0868-9
2. Ivanov A. A. Ethology with Fundamentals of Zoopsychology. — St. Petersburg: Lan Publishing, 2023.

Additional readings:

1. Overall K. L. Clinical Behavioral Medicine for Small Animals. — Moscow: Sofion, 2005. — 641 p. ISBN: 978-5-9668-0010-9
2. Horwitz D., Mills D., Heath S. (Eds.). BSAVA Manual of Canine and Feline Behavioural Medicine. — Moscow: Sofion, 2005. — 368 p. ISBN: 5-9668-0007-3

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 «**Behavioral Medicine**».
2. The laboratory workshop (if any) on the course «**Behavioral Medicine**».

* 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