

Документ подписан простой электронной подписью
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ФИО: Ястребов Олег Александрович
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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

Internal 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)

A. The goal of the course «**Internal Diseases**» is to provide students with theoretical and practical knowledge on general disease prevention, therapeutic techniques, etiology, pathogenesis, symptoms, diagnosis, treatment and prevention of specific non-infectious diseases.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) «**Internal 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-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-6 | Ability to establish a diagnosis and prognosis of disease development and spread based on clinical, laboratory and instrumental diagnostic data. | PC-6.1. Possesses knowledge of manifestations of infectious, parasitic, internal non-infectious, surgical, gynecological and other animal diseases. |
| | | PC-6.2. Uses methods for establishing a comprehensive diagnosis based on medical history, clinical examination and diagnostic studies. |
| | | PC-6.3. Applies methods for predicting the course and outcome of treatment considering accompanying diagnoses and complicating factors. |
| | | PC-6.4. Assesses risks of disease spread. |
| PC-12 | Ability to organize and conduct veterinary health monitoring (dispensary observation) of animals. | PC-12.1. Develops a veterinary health monitoring plan. |
| | | PC-12.2. Organizes and conducts veterinary health monitoring procedures. |
| | | PC-12.3. Provides recommendations for preventive and therapeutic measures. |

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 | 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 Animal Dentistry |
| PC-6 | Ability to establish a diagnosis and prognosis of disease development and spread based on clinical, laboratory and instrumental diagnostic data. | Obstetrics, Gynecology and Andrology | General Surgery Private Surgery Parasitology and Invasive Diseases Epidemiology and Infectious Diseases Clinical Internship Industrial Research Practice |
| PC-12 | Ability to organize and conduct veterinary health monitoring (dispensary observation) of animals. | Obstetrics, Gynecology and Andrology | Private Surgery Parasitology and Invasive Diseases Clinical Industrial Practice Clinical Internship Industrial Research Practice |

4. COURSE WORKLOAD AND ACADEMIC ACTIVITIES

The total workload of the course is 10 credits (360 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 | | | |
|-----------------------------|----------------------|----------------------------|----|----|---|
| | | 7 | 8 | 9 | - |
| Contact academic hours | 153 | 51 | 51 | 51 | - |
| including: | | | | | |
| Lectures (LC) | 51 | 17 | 17 | 17 | - |
| Lab work (LW) | 102 | 34 | 34 | 34 | - |

| Type of academic activities | | Total academic hours | Semesters/training modules | | | |
|---|----------------|----------------------|----------------------------|-----------|------------|---|
| | | | 7 | 8 | 9 | - |
| Seminars (workshops/tutorials) (S) | | - | - | - | - | - |
| <i>Self-studies</i> | | 151 | 73 | 3 | 75 | - |
| <i>Evaluation and assessment (exam/passing/failing grade)</i> | | 56 | 20 | 18 | 18 | - |
| Course workload | academic hours | 360 | 144 | 72 | 144 | - |
| | credits | 10 | 4 | 2 | 4 | - |

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

| Course module title | Course module contents (topics) | Academic activities types |
|---|--|---------------------------|
| Module 1. General therapy and prevention. | Topic 1.1. Theoretical and organizational foundations of prevention and treatment of internal non-infectious diseases. | Lectures, Lab work. |
| | Topic 1.2. Means and methods of therapy. Therapeutic technique. | Lectures, Lab work. |
| | Topic 1.3. Physiotherapy. | Lectures, Lab work. |
| | Topic 1.4. Medical examination. | Lectures, Lab work. |
| Module 2. Private therapy and prevention. | Topic 2.1. Metabolic diseases. | Lectures, Lab work. |
| | Topic 2.2. Diseases of the respiratory system. | Lectures, Lab work. |
| | Topic 2.3. Diseases of the cardiovascular system. | Lectures, Lab work. |
| | Topic 2.4. Diseases of the gastrointestinal tract. | Lectures, Lab work. |
| | Topic 2.5. Diseases of the central nervous system. | Lectures, Lab work. |
| | Topic 2.6. Diseases of the MVS. | Lectures, Lab work. |
| | Topic 2.7. Poisoning. | Lectures, Lab work. |
| | Topic 2.8. Diseases of young animals. | Lectures, Lab work. |
| | Topic 2.9. Diseases of birds. | Lectures, Lab work. |
| | Topic 2.10. Diseases of fur-bearing animals. | 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. | - <i>Information stands.</i> - <i>Instruments and devices of clinical veterinary medicine.</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>Information stands.</i> - <i>Instruments and devices of clinical veterinary medicine.</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. Usha Boris Veniaminovich. Propaedeutics of internal non-infectious animal diseases / B.V. Usha, I.M. Belyakov. - St. Petersburg : Quadro, 2020. - 474 p.
2. Guide to practical classes on internal non-infectious diseases : textbook / A.V. Yashin, G.G. Shcherbakov, N.A. Kochueva [et al.]. - St. Petersburg : Publishing House "Lan", 2016. - 176 p.

Additional readings:

1. Clinical diagnostics of internal diseases of animals : textbook / S.P. Kovalev, A.P. Kurdeko, E.L. Bratushkina [et al.]. - 2nd ed., erased. - St. Petersburg : Publishing House "Lan", 2016. - 544 p.
2. Internal diseases of animals. For colleges : textbook / G.G. Shcherbakov, S. P. Kovalev, A.V. Yashin, S. V. Vinnikova. - 2nd ed., ispr. and add. - St. Petersburg : Publishing House "Lan", 2012. - 496 p.
3. Usha Boris Veniaminovich. Clinical diagnostics inutrennich noncompetitive aposematicx painful animal urgemx: textbook / B.V. Usha, I.M. Belyakov, R.P. Pushkarev; B.V.Usha and others. - M. Colossus, 2004. - 487 pp.
4. Kondrakhin Ivan Petrovich. Internal non-infectious diseases of animals : textbook for universities / I.P. Kondrakhin, G.A. Talanov, V.V. Pak. - M. : Koloss, 2003. - 461 p.
5. Kazeev G.V., Kazeeva A.V. Veterinary acupuncture [Electronic resource]: - 3rd ed., erased. - St. Petersburg : Publishing House "Lan", 2017. - 296 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 «**Internal diseases**».

2. The laboratory workshop (if any) on the course «**Internal 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:

Associate Professor of the Department of Veterinary
Medicine

Position, Basic curriculum

Signature

Semenova V. I.

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