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

Private Surgery

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

2026

1. COURSE GOAL(s)

The goal of the course «**Private Surgery**» is to form a broad-profile specialist, the ability to perform not only complex surgical interventions, but also the ability to organize and conduct preventive and therapeutic measures.

2. REQUIREMENTS FOR LEARNING OUTCOMES

Mastering the course (module) «**Private Surgery**» 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 Internal Diseases General Surgery	Parasitology and Invasive Diseases Dermatology Cardiology Endocrinology Oncology Neurology Nephrology Anesthesiology, Resuscitation And Intensive Therapy Reconstructive Surgery Veterinary Ophthalmology Behavioral Medicine Animal Dentistry Clinical Internship Industrial Research Practice
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 Internal Diseases General 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 Internal Diseases	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 5 credits (180 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			
		8	-	-	-
Contact academic hours	51	51	-	-	-

Type of academic activities		Total academic hours	Semesters/training modules			
			8	-	-	-
including:						
Lectures (LC)		17	17	-	-	-
Lab work (LW)		34	34	-	-	-
Seminars (workshops/tutorials) (S)		**-**	**-**	-	-	-
Self-studies		109	109	-	-	-
Evaluation and assessment (exam/passing/failing grade)		20	20	-	-	-
Course workload	academic hours	**180**	**180**	-	-	-
	credits	**5**	**5**	-	-	-

5. COURSE CONTENTS

Table 5.1. Course contents and academic activities types

Course module title	Course module contents (topics)	Academic activities types
Module 1. Inflammation. Surgical infection.	Topic 1.1 Trauma. Traumatic illness	Lectures, Lab work.
	Topic 1.2 Diagnosis of inflammatory processes.	Lectures, Lab work.
	Topic 1.3 Features of the course of inflammatory processes in the skin, subcutaneous fat, muscles, tendon-ligamentous apparatus, body cavities.	Lectures, Lab work.
	Topic 1.4 Surgical infection. Local manifestations.	Lectures, Lab work.
	Topic 1.5 Surgical infection. Systemic manifestations.	Lectures, Lab work.
	Topic 1.6 Treatment of inflammatory processes by methods of etiotropic and pathogenetic therapy.	Lectures, Lab work.
Module 2. Closed mechanical damages.	Topic 2.1 Classification of closed mechanical damages.	Lectures, Lab work.
	Topic 2.2 Methods of diagnosis of CMD.	Lectures, Lab work.
	Topic 2.3 Differential diagnosis of hematomas, extravasates, abscesses.	Lectures, Lab work.
	Topic 2.4 Bone injuries. Injuries of the tendon-ligamentous apparatus.	Lectures, Lab work.
	Topic 2.5 Injuries of soft tissues and internal organs.	Lectures, Lab work.
Module 3. Biology of the wound process.	Topic 3.1 Types of wounds, features of diagnosis and treatment of certain types of wounds.	Lectures, Lab work.
	Topic 3.2 Drains, types, methods of setting drains.	Lectures, Lab work.
	Topic 3.3 Granulation tissue.	Lectures, Lab work.
	Topic 3.4 Features of the wound process in different animal species.	Lectures, Lab work.
	Topic 3.5 Features of wound treatment and complications.	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	

Type of academic activities	Classroom equipment	Specialised educational / laboratory equipment, software, and materials for course study (if necessary)
	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. General veterinary surgery: textbook / S.V. Pozyabin, Yu.I. Filippov, N.A. Kozlov [et al.]; under the general editorship of S.V. Pozyabin. - Moscow: Kolos-s, 2019. – 762 p. Private veterinary surgery : Textbook for universities / V.S. Semenov, A.V. Lebedev, A.N. Eliseev, V.A. Molokanov ; Edited by B.S.Semenov, A.V.Lebedev. - M. : Kolos, 1997. - 496 p.

Additional readings:

1. Surgical methods of injury prevention: an educational and methodological manual for the courses "General and private surgery", "Veterinary surgery" / Yu.A. Vatnikov, V.I. Parshina, E.V. Kulikov [et al.]. - Electronic text data. - Moscow: RUDN, 2018. - 26 p.
2. Closed mechanical injuries in animals: an educational and methodological manual on the courses "General and private surgery", "Veterinary surgery" / Yu.A. Vatnikov, V.I. Parshina, E.V. Kulikov [et al.]. - Electronic text data. - Moscow: RUDN, 2018. - 23 p.
3. Basic methods of treatment of open mechanical injuries: an educational and methodical manual on the courses "General and private surgery", "Veterinary surgery" / Yu.A. Vatnikov, V.I. Parshina, E.V. Kulikov [et al.]. - Electronic text data. - Moscow: RUDN, 2018. - 21 p.
4. Private veterinary surgery : Textbook for universities / K.I. Shakalov, I.A. Kalashnik, G.S. Mastyko [et al.]. - 2nd ed., reprint. and additional - L. : Kolos, 1981. - 464 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 «**Private Surgery».**
2. The laboratory workshop (if any) on the course **«Private Surgery».**

* 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:

Senior Lecturer of the Department of Veterinary Medicine		Troshina N.I.
Position, Basic curriculum	Signature	Full name.

HEAD OF EDUCATIONAL DEPARTMENT:

Department of Veterinary Medicine		Vatnikov Yu.A.
Name Basic Curriculum	Signature	Full name.

HEAD OF HIGHER EDUCATION PROGRAMME:

Director of the Department of Veterinary Medicine		Vatnikov Yu.A.
Position, Basic curriculum	Signature	Full name