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**Federal State Autonomous Educational Institution of Higher Education
PEOPLES' FRIENDSHIP UNIVERSITY OF RUSSIA
NAMED AFTER PATRICE LUMUMBA**

Agrarian and Technological Institute

educational division (faculty/institute/academy) as higher education programme developer

COURSE SYLLABUS

Surgical diseases

course title

Recommended by the Didactic Council for the Education Field of:

36.03.01 Veterinary and sanitary examination

field of studies / speciality code and title

The course instruction is implemented within the professional education programme of higher education:

Veterinary and sanitary examination

higher education programme profile/specialisation title

1. GOALS AND OBJECTIVES OF THE COURSE

The purpose of mastering the discipline "Surgical diseases" is to develop the student's ability to identify animals with surgical pathology, make a preliminary and final diagnosis, determine the degree of influence of the disease on the quality of dairy products, meat and slaughter products, the need for urgent slaughter or treatment of a sick animal.

2. REQUIREMENTS FOR LEARNING OUTCOMES

The implementation of the course "Surgical 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 course)

Cipher	Competence	Competence achievement indicators (within this discipline)
GPC-2	Able to carry out professional activities, taking into account the impact on the body of animals of natural, socio-economic, genetic and economic factors.	GPC-2.2 Able to establish the presence and reliability of causal relationships between the impact of individual etiological factors on the animal's body and the development of diseases.
		GPC-2.3 Takes into account the possibility of exposure to adverse environmental factors that can cause deterioration in the quality of raw materials and products of animal and plant origin during the veterinary and sanitary examination.
GPC-6	Able to identify the danger of the risk of occurrence and spread of diseases of various etiologies.	GPC-6.1 Has the skills to identify and primary diagnosis of non-contagious, infectious and parasitic diseases.
		GPC-6.2 Knows patterns of occurrence and spread of diseases in animal populations and factors predisposing to diseases.
PC-1	The ability to conduct an ante-mortem veterinary examination of animals to assess their health status.	PC-1.2 Able to identify deviations from the normative indicators of the health of slaughtered animals and determine the possible causes of these deviations.

3. COURSE IN HIGHER EDUCATION PROGRAMME STRUCTURE

The discipline "Surgical diseases" refers to the mandatory part of block B1 of the OP VO.

As part of the EP HE, students also master other disciplines and / or practices that contribute to the achievement of the planned results of mastering the discipline "Surgical Diseases".

Table 3.1. The list of components of the EP VO, contributing to the achievement of the planned results of the development of the discipline.

Cipher	Name competencies	Previous disciplines/modules, practices	Subsequent disciplines/modules, practices
GPC-2	Able to carry out professional activities, taking into account the impact on the body of animals of natural, socio-economic, genetic and economic factors.	pathological physiology infectious diseases Parasitic diseases	Non-communicable diseases General and veterinary ecology Technology of feeding productive animals
GPC-6	Able to identify the danger of the risk of occurrence and spread of diseases of various etiologies.	infectious diseases Parasitic diseases	Toxicology with Fundamentals of Pharmacology Non-communicable diseases Sanitary microbiology
PC-1	The ability to conduct an ante-mortem veterinary examination of animals to assess their health status.	pathological anatomy pathological physiology infectious diseases	Non-communicable diseases

4. COURSE WORKLOAD AND TRAINING ACTIVITIES

Course workload of the course " Surgical diseases " is 4 credits.

Table 4.1. Types of educational work by periods of mastering EP VO for full-time education

Types of academic activities	HOURS	Semesters			
		5	-	-	-
Contact academic hours	51	51	-	-	-
including:					
Lectures	17	17	-	-	-
Lab work	34	34	-	-	-
Seminars (workshops/tutorials)	-	-	-	-	-
Self-study	73	73	-	-	-
Evaluation and assessment (exam/pass/fail grading)	20	20	-	-	-
Course workload	Academic 144	144	-	-	-

	hour					
	Credit unit	4	4	-	-	-

Table 4.2. Types of educational work by periods of mastering OP HE for part-time and part-time forms of education

Types of academic activities		HOURS	Semesters				
			5	-	-	-	
Contact academic hours		36	36	-	-	-	
including:							
Lectures		18	18	-	-	-	
Lab work		18	18	-	-	-	
Seminars (workshops/tutorials)		-	-	-	-	-	
Self-study		92	92	-	-	-	
Evaluation and assessment (exam/pass/fail grading)		16	16	-	-	-	
Course workload		Academic hour	144	144	-	-	-
		Credit unit	4	4	-	-	-

Table 4.3. Types of educational work by periods of mastering EP HE for CORRESPONDENCE forms of education

Types of academic activities		HOURS	Semesters				
			7	-	-	-	
Contact academic hours		5	5	-	-	-	
including:							
Lectures		-	-	-	-	-	
Lab work		5	5	-	-	-	
Seminars (workshops/tutorials)		-	-	-	-	-	
Self-study		136	136	-	-	-	
Evaluation and assessment (exam/pass/fail grading)		3	3	-	-	-	
Course workload		Academic hour	144	144	-	-	-
		Credit unit	4	4	-	-	-

5. COURSE CONTENTS

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

Name of the discipline section	Contents of the section (topic)	Type of study work
Section 1. General surgery	Topic 1.1. Surgical diseases, classification.	LC, LR

	Topic 1.2. Clinical forms of inflammation, phases and stages of the inflammatory process.	LC, LR
	Topic 1.3. Surgical infection, forms of surgical infection.	LC, LR
	Topic 1.4. Dystrophies and dysplasias.	LC, LR
	Topic 1.5. Oncology.	LC, LR
	Topic 1.6. Injury. Traumatic disease.	LC, LR
	Topic 1.7. Diagnosis of inflammatory processes. Features of the course of inflammatory processes in the skin, subcutaneous adipose tissue, muscles, tendon-ligament apparatus, body cavities.	LC, LR
	Topic 1.8. surgical infection. Local, systemic manifestations.	LC, LR
	Topic 1.9. Treatment of inflammatory processes by methods of etiotropic and pathogenetic therapy.	LC, LR
	Topic 1.10. Classification of closed mechanical damage. Methods for diagnosing ZMP.	LC, LR
	Topic 1.11. Differential diagnosis of hematomas, extravasations, abscesses.	LC, LR
	Topic 1.12. Bone injury. Injuries of the tendon-ligamentous apparatus.	LC, LR
	Topic 1.13. Injuries of soft tissues and internal organs.	LC, LR
	Topic 1.14. Burns, frostbite, bedsores.	LC, LR
Section 2. Private surgery	Topic 2.1. Surgical diseases of the respiratory system.	LC, LR
	Topic 2.2. Surgical diseases of the digestive system.	LC, LR
	Topic 2.3. Surgical diseases of the genitourinary system.	LC, LR
	Topic 2.4. Surgical diseases of the musculoskeletal system of animals.	LC, LR

6. COURSE EQUIPMENT AND TECHNOLOGY SUPPORT REQUIREMENTS

Table 6.1. Material and technical support of the course

Audience type	<i>Audience equipment</i>	Specialized educational / laboratory equipment, software and material for mastering the discipline (if necessary)

Lecture	An auditorium for lecture-type classes, equipped with a set of specialized furniture; board (screen) and technical means of multimedia presentations.	-
Laboratory	Auditorium for laboratory work, individual consultations, current control and intermediate certification, equipped with kit specialized furniture and equipment.	- <i>Information stands</i> - <i>Surgical instruments</i>
For independent work students	Audience for independent work of students (can be used for conducting seminars and consultations), equipped with a set of specialized furniture and computers with access to EIOS.	-

7. RESOURCES RECOMMENDED FOR COURSE STUDIES

Main literature:

1. Vasiliev, V.K. General surgery: textbook / V.K. Vasiliev, A.P. Popov, A.D. Tsybikzhapov. - St. Petersburg: Lan, 2022. - 272 p. — ISBN 978-5-8114-1686-8. — Text: electronic // Doe: electronic library system. - url:<https://e.lanbook.com/book/211697>
2. Private animal surgery: a textbook for universities / A. A. Stekolnikov, B. .. Semenov, V. M. Rukol, V. A. Zhurba; Under the editorship of professors A. A. Stekolnikov and B. S. Semenov. - St. Petersburg: Lan, 2021. - 372 p. - ISBN 978-5-8114-7993-1. — Text: electronic // Doe: electronic library system. - url:<https://e.lanbook.com/book/183172>

Additional literature:

1. Closed mechanical injuries in animals: a teaching aid for the disciplines "General and private surgery", "Veterinary surgery" / Yu.A. Vatnikov, V.I. Parshina, E.V. Kulikov [i dr.]. - Electronic text data. - M. : Publishing House of RUDN University, 2018. - 23 p. - ISBN 978-5-209-09227-8.http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=478122&idb=0
2. Basic methods of treatment of open mechanical injuries: a teaching aid for the disciplines "General and private surgery", "Veterinary surgery" / Yu.A. Vatnikov, V.I. Parshina, E.V. Kulikov [i dr.]. - Electronic text data. - M. : Publishing House of RUDN University, 2018. - 21 p. - ISBN 978-5-209-09228-5.http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=478121&idb=0

3. Instruments and equipment in veterinary surgery. History and modernity: textbook / N.V. Sakhno, Yu.A. Vatnikov, S.A. Yagnikov [i dr.]; Under total ed. N.V. Sakhno. - St. Petersburg. : Publishing house "Lan", 2017. - 152 p. - (Textbooks for universities. Special literature). - ISBN 978-5-8114-2414-6.http://lib.rudn.ru/MegaPro/UserEntry?Action=Rudn_FindDoc&id=465007&idb=0
4. Workshop on general surgery: textbook / A. A. Stekolnikov, B. S. Semenov, O. K. Sukhovolsky [and others]. - St. Petersburg: Lan, 2022. - 368 p. - ISBN 978-5-8114-1502-1. — Text: electronic // Doe: electronic library system. - url:<https://e.lanbook.com/book/211409>
5. Vasiliev, V. K. Workbook for laboratory and practical studies and independent work in general and private surgery: a textbook for universities / V. K. Vasiliev, A. D. Tsybikzhapov. - 3rd ed., erased. - St. Petersburg: Lan, 2021. - 56 p. - ISBN 978-5-8114-8105-7. — Text: electronic // Doe: electronic library system. - url:<https://e.lanbook.com/book/171849>

Resources of the information and telecommunications network "Internet":

1. RUDN ELS and third-party ELS, to which university students have access on the basis of concluded agreements:

- RUDN Electronic Library System - RUDN EBS<http://lib.rudn.ru/MegaPro/Web>
- ELS "University Library Online"<http://www.biblioclub.ru>
- EBS Yurayt<http://www.biblio-online.ru>
- EBS "Student Advisor"www.studentlibrary.ru
- EBS "Lan"<http://eZlanbook.com/>
- EBS "Trinity Bridge" <http://www.trmost.com/>

2. Databases and search engines:

- electronic fund of legal and normative-technical documentation<http://docs.cntd.ru/>
- Yandex search engine<https://www.yandex.ru/>
- Google search engine<https://www.google.ru/>
- abstract database SCOPUS<http://www.elsevierscience.ru/products/scopus/>

Educational and methodological materials for independent work of students in the development of the discipline/module*:

1. A course of lectures on the discipline "Surgical diseases".
2. Laboratory workshop on the discipline "Surgical diseases".

* - all educational and methodological materials for independent work of students are placed in accordance with the current procedure on the page of the discipline in TUIS!

8. EVALUATION MATERIALS AND SCORE-RATING SYSTEM FOR ASSESSING THE LEVEL OF FORMATION OF COMPETENCES IN THE DISCIPLINE

Evaluation materials and a point-rating system* for assessing the level of competence formation (part of competences) based on the results of mastering the discipline "**Surgical diseases**» are presented in the Appendix to this Work Program of the discipline.

* - OM and BRS are formed on the basis of the requirements of the relevant local normative act of the Peoples' Friendship University of Russia.

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