

Ministry of Education and Science of  
Ukraine  
Sumy National Agrarian University  
Faculty veterinary medicine  
Department of Veterinary and Sanitary Inspection, Microbiology, Hygiene  
and Pathological Anatomy

**Working program ( syllabus ) educational component**

**Veterinary service small domestic animals**

Under implementation in within educational programs "Veterinary

Medicine"by specialty

211 "Veterinary Medicine"

on to the second (Master's) levels higher education

Developer: Petrov R.V. Doctor of Veterinary Science.  
professor (signature) (surname, initials) (scientist degree and rank, position)

Reviewed, approved and ratified at the department meeting veterinary and sanitary inspection, microbiology, hygiene and pathological anatomy (name of the department)	protocol No. 16 dated 09.06.2025	
	Manager departments	<u>Petrov R.V.</u> (signature) (last name, initials)

**Agreed:**

Guarantor educational programs Chekan O.M.  
(signature) (full name)

Dean of the faculty where the educational program is implemented

Nagorna L.V.  
(signature) (full name)

Review of the work program (attached) provided by:

Zm Borov.  
(Full name)  
[Signature]  
(Full name)

Methodologist of the Education Quality Department,  
licensing and accreditation N. Banahie  
(signature) (full name)

Registered in the electronic database: date: 01.07. 2025

Information about revision working programs (syllabus):

Educational year, in to whom are introduced changes	Application number to work program with description of changes	Changes considered and approved		
		Date and number protocol meeting departments	Manager departments	Guarantor educational programs

# 1. GENERAL INFORMATION ABOUT EDUCATIONAL COMPONENT

1.	Name OK	VK 29. Veterinary small business service domestic animals		
2.	Faculty/department	Department of Veterinary and Sanitary Inspection, Microbiology, Hygiene and Pathological Anatomy		
3.	Status OK	Selective		
4.	Program/Specialty (programs), component which are OK for ( <i>is filled in for mandatory OK</i> )			
5.	OK maybe proposed for( <i>is filled in for selective OK</i> )	Veterinary medicine /211 Veterinary medicine		
6.	Level NRC	NRC Ukraine – 7 level, QF-EHEA – second cycle, EQF-LLL – 7 level		
7.	Semester and duration study	6 semester, 18 weeks		
8.	Number loans ECTS	5.0		
9.	Total hours and their distribution	Contact work (occupation)		Independent work
		Lectures	Practical /seminar	
		2 ✓	2 ✓	146
10.	Language teaching	English		
11.	Teacher/Coordinator educational component	Petrov Roman Viktorovych		
11. 1	Contact information	Corp. 3 , room 71, Tel.: 0663927928; viber 0663927928 Romanpetrov1978@gmail.com		
12.	General description educational component	"Veterinary" service small domestic animals» – as educational discipline lays foundations knowledge about maintenance, feeding, behavior, biological features, etiology diseases small domestic animals, reasons dissemination, modern methods diagnostics, methods treatment, prevention and struggle with them, What will be useful in future work		
13.	The purpose of education component	The purpose of the educational component is to form in students deep theoretical knowledge and practical skills with questions recognition of diseases in small domestic animals, study etiology, pathogenesis, symptoms, course, forecast, organizations medical events and prevention depending from specific conditions maintenance and feeding small pets		

14.	Study prerequisitesOK, connection with others educational components OP	Educational component, being basis for clinical objects, based on the foundation general theoretical disciplines: Physiology animals, Clinical diagnostics, Epizootology and infectious diseases, Parasitology and Invasive Diseases, Internal diseases animals, Obstetrics and gynecology animals.
15.	Policy academic virtue	<p>Applicants explain value acquisition new knowledge; value and functions academic integrity; report about inadmissibility plagiarism, encourage to independent implementation educational tasks, correct reference to sources of information in in the case of borrowing scientific materials. Copying under during tests and exams are prohibited (including from using mobile devices). Written worksmust have correct textual link onused literature.</p> <p>By violation academic virtue applicants education can be attracted to such academic responsibility:</p> <p>Academic plagiarism – rating 0, repeated implementation task.</p> <p>Academic fraud (plagiarism, deception, forgery) by someone completed works by own) – cancellation received points; repeated passage evaluation re-execution of work not done independently with new source data;</p> <p>Using electronic devices under time final control knowledge – suspension from implementation work, rating 0, repeated passage final control</p>
16.	Link on course in system Moodle	<a href="https://cdn.snau.edu.ua/moodle/enrol/index.php?id=1929">https://cdn.snau.edu.ua/moodle/enrol/index.php?id=1929</a>
17.	Keywords of the educational component	Cats, dogs, diseases, treatment, prevention

## 2. RESULTS TEACHING BY EDUCATIONAL COMPONENT AND THEIR CONNECTION WITH SOFTWARE LEARNING OUTCOMES

Results teaching for OK: After study educational component student expected to be able to...	PRN <sub>1</sub>	PRN <sub>2</sub>	As is being evaluated RND
<p>DRN 1. Understand the importance of discipline in formation of the doctor's worldview veterinary medicine. Adhere to rules techniques security at work with small domestic animals.</p> <p>Distinguish breeds animals and their species affiliation. Know the regulatory requirements of maintenance and feeding animals, anatomical and physiological features, clinical and biochemical indicators blood, urine.</p> <p>Master equipment and methods blood sampling and drug administration small pets. Produce smears blood, get serum blood and explore their, conduct clinical examination animals.</p>	+	+	<p>- Oral control (participation in discussions on the topic of the lecture)</p> <p>- Laboratory and practical control (implementation tasks on laboratory works).</p> <p>- Written CONTROL (implementation tasks from independent work, independent study of the topic in whole or individual questions independent works (results testing, preparation presentations, presentation of the processed material))</p> <p>- Solution situational tasks report independently</p>
<p>DRN 2. Know main infectious and invasive diseases small domestic animals: etiology, diagnostics, treatment, prevention.</p> <p>Prepare animal to vaccinations and use schemes vaccinations dogs and cats for prevention infectious diseases; prepare preparation and to spend microscopic diagnostics dermatophytosis; to carry out coproscopic diagnostics helminthiasis, microscopic (smear) blood, native blood drop) diagnostics babesiosis, heartworm disease and diagnostic arachnoentomosis small domestic animals</p>	+	+	<p>- Oral CONTROL (participation in discussions on the topic of the lecture)</p> <p>- Laboratory and practical control (performance of tasks on laboratory work). Work with animals</p> <p>- Written CONTROL (implementation tasks from independent work, independent study of the topic in whole or individual questions independent works (results testing, preparation presentations, presentation report independently processed material))</p> <p>- Solution situational tasks</p>

<p>DRN 3. Know sexual cycle in different animals, physiology and pathology pregnancy, pathology births, postpartum disease.</p> <p>Provide obstetric help at normal and pathological childbirth, to spend castration males and females. Do Caesarean section.</p> <p>Fix animals. Apply scheme clinical research animals. Conduct registration and history taking. Analyze received results Understand the meaning of registration results animals from the selection of anamnesis Use received data for further clinical research small domestic animals.</p>	+	+	<p>- Oral control (participation indiscussions on the topic of the lecture)</p> <p>- Laboratory and practical control (performance of tasks on laboratory work). Work with animals</p> <p>- Written CONTROL (implementation tasks from independent work, independent study of the topic in whole or individual questions independent works (results testing, preparation presentations, presentation report independently processed material))</p> <p>- Solution situational tasks</p> <p>- Final control (solution tests)</p>
<p>DRN 4. Diagnose diseases skin, wounds, hernias, bone and joint diseases: etiology, diagnostics.</p> <p>Conduct treatment and prevention diseases of various etiologies.</p> <p>Master diagnostics urolithiasis cat diseases and first aid at obturation urethra.</p> <p>Fix animals. Apply scheme clinical research animals.</p> <p>Conduct registration and history taking. Analyze received results Understand the meaning of registration results animals from the selection of anamnesis Use received data for further clinical research small domestic animals.</p>	+	+	<p>- Oral control (participation indiscussions on the topic of the lecture)</p> <p>- Laboratory and practical control (performance of tasks on laboratory work). Work with animals</p> <p>- Written CONTROL (implementation tasks from independent work, independent study of the topic in whole or individual questions independent works (results testing, preparation of presentations, presentation report independently processed material))</p> <p>- Solution situational tasks</p>

### 3. CONTENT OF THE EDUCATIONAL COMPONENT (CURRICULAR PROGRAM) DISCIPLINES)

Topic. List questions, What will be considered in within the topic	Distribution in within the general budget time			Recommended literature <sup>1</sup>
	Auditorium work		Independent work	
	Luk e	P.z	Lab with.	
<p><b>Topic 1</b> . Definition disciplines and her role in the formation of a doctor veterinary medicine.Small pets , their meaning. Organization of small clinics</p>	2		18	[1, 7, 14, 17, 20, 22]

physiological features. Feeding types feeding. Dietary feed.					
Topic 2. Diseases small domestic animals viral etiology.			2	18	[1, 5, 9, 16, 19, 25]
Topic 3 . Diseases small domestic animals bacterial etiology.				18	[1, 10, 12, 15, 20, 27]
Topic 4. Parasitic diseases small domestic animals.				18	[1, 3, 6, 8, 17, 21]
Topic 5. Anatomical and physiological data about the sexual apparatus of females males. Sexual cycle. Knitting and fertilization. Physiology pregnancy.				18	[2, 4, 7, 9, 18, 23]
Topic 6 . Pathology pregnancy: etiology, symptoms, diagnostics, treatment. Obstetric help. Provision rules obstetric help.				18	[ 4, 7, 11, 15, 24]
Topic 7. Internal diseases of small animals domestic animals. Urolithiasis disease cats and dogs. Etiology, diagnostics, treatment, prevention.				18	[2, 6, 11, 17, 26]
Topic 8. Surgical diseases small domestic animals				20	[3, 5, 12, 14, 25]
Total	2		2	146	

#### 4. METHODS TEACHING AND TEACHING

DRN	Methods teaching (work, What will be carried out teacher	Number hours	Methods training (which types educational activities has	Number hours
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<sup>1</sup> Specific source from main or additionally recommended literature

	<u>under time classroom classes . consultations)</u>		<u>perform student independently )</u>	
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DRN 1	<p>Student survey with clarification of key subject matters</p> <p>Interactive discussion topics in the form of discussions, What includes information, presented in schemes and pictures, answers to students' questions . Mastering practical skills, techniques performing laboratory tests works (the concept of symptom, forecast, diagnosis, syndrome, fixation animals). Work with animals/biological materials.</p>	10	<p>Independent study materials on the topic. Memorization theoretical material, observation. on the studied and processed material design abstract from independent work Getting to know information from official sites by topic of the lesson or separate question. Solution situational tasks (oral: registration and gathering history, using received data for further research animals).</p>	16
DRN 2	<p>Student survey with clarification of key subject matters</p> <p>Interactive discussion topics in the form of discussions, What includes information, presented in schemes and pictures, answers to students' questions . Mastering practical skills, techniques performing laboratory tests works (the concept of symptom, forecast, diagnosis, syndrome, fixation animals). Work with animals/biological materials.</p>	12	<p>Independent study materials on the topic. Memorization theoretical material, observation. on the studied and processed material design abstract from independent work Getting to know information from official sites by topic of the lesson or separate question. Solution situational tasks (oral: registration and gathering history, using received data for further research animals).</p>	18
DRN 3	<p>Poll students with clarification key subject matters .</p> <p>Interactive discussion topics in the form of a discussion that includes information, presented in schemes and drawings, answers on students' questions . Mastery practical skills, techniques implementation laboratory works (concept symptom, forecast, diagnosis, syndrome, fixation animals). Work with animals/biological materials.</p>	12	<p>Independent study materials on the topic. Memorization theoretical material, observation. on the studied and processed material design abstract from independent work Getting to know information from official sites by topic of the lesson or separate question. Solving situational problem (oral: registration</p>	20

			and gathering history, using received data for further research animals).	
DRN 4	<p>Student survey with clarification of key <del>st</del> matters</p> <p>Interactive discussion topics in in the form of discussions, What includes information, presented in schemes and pictures, answers to <del>st</del> questions. Mastering practical skills, techniques performing laboratory tests works (the concept of symptom, forecast, diagnosis, syndrome, fixation animals). Work with animals/biological materials.</p>	12	<p>Independent study materials on the topic. Memorization theoretical material, observation. on the studied and processed material design abstract from independent work Getting to know information from official sites by topic of the lesson or separate question. Solution situational tasks (oral: registration and gathering history, using received data for further research animals).</p>	20

## 5. EVALUATION BY EDUCATIONAL COMPONENT

### 5.1. Diagnostic evaluation (it is noted by need)

### 5.2. Summative evaluation

#### 5.2.1. For evaluation expected results teaching provided

No.	Methods summative evaluation	Points / Weight in general assessment	Date drafting
1.	Oral CONTROL (participation in discussions on topic lectures)	30 points / 30%	Weekly
2.	Written control (performance) tasks for independent work). Solution situational tasks	15 points / 15%	According to from the schedule
3.	Laboratory and practical CONTROL (task completion) laboratory work) Work with animals	40 points / 40%	According to with schedule LPZ
4.	Final control (solution tests)	15 points / 15%	According to schedule surrender modules

### 5.2.2. Criteria evaluation

Component <sup>2</sup>	Unsatisfactoril <sup>3</sup> <i>&lt;14 points</i>	Satisfactoril <sup>3</sup> <i>15-24 points</i>	Good <i>25-34 points</i>	Excellent <sup>3</sup> <i>35-40 points</i>
Thematic poll.	The student can to reproduce only	Student has certain knowledge,	Student ngeneral	Student demonstrates full

<sup>2</sup> Note component summative evaluation

<sup>3</sup> Note distribution points and criteria, What cause level assessments

Oral CONTROL	individual fragments with course.	provided for in program disciplines, owns main provisions, What are studied at level, which his defined minimally allowable	knows well material, knows main position material, does on them based on analysis possible situations and knows how apply when deciding typical practical tasks, but allows separate inaccuracies	and solid knowledge educational material in volume, corresponding program disciplines, correctly and justified accepts necessary decision in different non-standard situations.
	<i>&lt;9 points</i>	<i>10-19</i>	<i>20-29 points</i>	<i>30 points</i>
Laboratory-practical CONTROL (implementation tasks on laboratory works). Working with animals	The student is not prepared for solving problems, the answer is incomplete, individual components missing or not enough to reveal	Most requirements done, but individual components missing or not enough to reveal, no analysis other approaches to question With the use of main theoretical regulations, student with difficulty performs delivered task. Implementation tasks significantly formalized: yes conformity algorithm, but missing deep understanding works	The student has mastered basic material, and understands resolution tasks, has suggestions for their direction solutions. All done task requirements, but with violation methods	Task done methodically correct and qualitatively. Student knows how to implement theoretical position disciplines on practice When performing tasks showed ability to do it yourself solve delivered task
	<i>&lt;5 points</i>	<i>5-8</i>	<i>8-14 points</i>	<i>15 points</i>

Written CONTROL (implementation tasks with independent work). Protection abstract from independent work. Solution clinical-situational	Integrity understanding material from disciplines instudent missing. The student is notprepared for independent problem solving , which outlines goal and tasks disciplines	Despite the fact that what program educational disciplines the student complete d,he worked passively, his answers under time design worksmost have unfaithful, unfounded	Knows characteristics main provisions tha have determining value at performance design tasks an dexplanations accepted decisions, in withindisciplines tha t	When performin gtasks showed skill independently solve delivered task. Compendium decorated impeccably, logically situated material f romunderstanding relationships
tasks			is being studied. Errors nanswers not there are systemic.	processes revealed with giventopics.
Tests plural choice	Student gives correct response to several questions (< 33% correct answers).	Student has certain knowledge, provided for in program disciplines, owns main provisions, Whatare being studied and gives correct answer toa few questio na(34-59% correct answers).	Student in general knows well material, knows main position material, and givescorrect answer to few questions(60-89 % correct answers).	Student demonstrates full and solid knowledge educational material in volume, corresponding program disciplines, correctly gives response to test question (90-100 % correct answers).

### 5.3. Formative evaluation:

For evaluation current progress in training and understanding directions furtherimprovement provided

No.	Elements formative evaluation	Date
1	Oral poll students with clarification keyquestions subject, answers on question students, mastering practical skills (methods) implementation laboratory works)	For occupation
2	Oral reverse connection from teacher under time works over solution clinical and situational tasks	For occupation
3	Written reverse connection from teacher aftermts checks and independent study disciplines.	For a week, after implementation

## 6. EDUCATIONAL RESOURCE (LITERATURE)

### 6.1. Basic sources

Textbooks, manuals

Internal non-communicable diseases of animals: a textbook / M. I. Tsvilikhovskiy et al. Kyiv: Agrarian Education, 2014. 613 p.

Internal diseases of animals: a practical manual / M. I. Tsvilikhovskiy et al. Kyiv: CP KOMPRINT, 2016. 224 p.

Endoscopy of the gastrointestinal tract in dogs and cats: methodological guidelines for conducting classes for students of the specialty "Veterinary Medicine" of educational and qualification levels specialist master (8.130501) / compiled by / M. I. Tsvilikhovskiy et al. Kyiv: NAU, 2005. 20 p.

Clinical diagnostics of internal diseases of animals / V. I. Levchenko et al. Bila Tserkva, 2017. 544 p.

Simpson K. The role of diet therapy in inflammatory bowel disease in dogs. Veterinary Practice. 2012. No. 5. P. 14-16.

Internal diseases of animals: textbook / V.I. Levchenko, I.P. Kondrakhin, M.O. Sudakov and others; Edited by V.I. Levchenko. – Bila Tserkva, 1999. – Part 1. – 376 p.

Internal diseases of animals: textbook / V.I. Levchenko, I.P. Kondrakhin, V.V. Vlizlo and others; Edited by V.I. Levchenko. – Bila Tserkva, 2001. – Part 2. – 544 p.

Informativeness of individual indicators for the diagnosis of liver and kidney pathology in dogs / O.A. Dykyi, V.I. Golovakha, V.P. Fasolya, L.M. Solovyova // Bulletin of Bila Tserkva. State Agrarian University. – Issue 11. – Bila Tserkva, 2000. – P. 32–

37.

Cynology: keeping and feeding dogs: a textbook / V.A. Burlaka, N.V. Pavlyuk, V.M. Stepanenko and others; Under the general editorship of V.A. Burlaka. – Zhytomyr: Volyn, 2004. – 412 p.

Clinical diagnostics of internal diseases of animals / V.I. Levchenko, V.V. Vlizlo, I.P. Kondrakhin and others. Ed. V.I. Levchenko – Bila Tserkva, 2004. – 608 p.

### Methodical software

Methodological instructions for conducting laboratory and practical classes in the discipline "Diseases of small domestic animals" "Diagnosis of canine ehrlichiosis" for students of specialties 211 - "Veterinary medicine", 212 "Veterinary hygiene, sanitation and expertise", educational degree "master" (approved by the methodological council of the Faculty of Veterinary Medicine, protocol No. 5, dated 05/15/2023) / O.I. Reshetylo, - Sumy, 2023 - 24 p.

Petrov R.V., Travetsky M.O. Veterinary anesthesiology and rehabilitation. Methodological instructions "Local anesthesia of farm animals" for conducting laboratory and practical classes and independent work for students in the specialty 211 "Veterinary medicine" and 212 "Veterinary hygiene, sanitation and expertise" of the faculty of veterinary medicine of full-time education / Sumy, 2024, 24 pages.

Methodological instructions for conducting laboratory and practical classes in the discipline "Diseases of small domestic animals" "Diseases of cats of viral etiology" part 1 for students of the specialty 211 - "Veterinary medicine", 212 "Veterinary hygiene, sanitation and expertise", educational degree "master" (approved by the methodological council of the Faculty of Veterinary Medicine, protocol No. 5, dated 05/15/2023) / O.I. Reshetylo, - Sumy, 2023 - 24 p.

### Others sources

<https://www.techvet.com.ua/index.php/12-pro-tehnikum2/37-elektronni-pidruchniki>

<http://lib.osau.edu.ua/jspui/bitstream/123456789/3181/1/%D0%A5%D0%B2%D0%BE%D1%80%D0%BE%D0%B1%D0%B8%20%20%D1%88%D0%BA%D1%96%D1%80%D0%B8%20%20%D1%81%D0%BE%D0%B1%D0%B0%D0%BA.pdf>

1. Derevyanchenko O.V., & Petrov R.V. (2024). The role of pathogens of siphonapterosis dogs and cats in the transmission of other diseases *Materials of the All-Ukrainian Scientific Conference of Students and Postgraduates Dedicated to International Student Day (November 18-22, 2024)* P. 281.

2. Yakovlev, I. O., & Petrov, R. V. (2024). FEATURES OF THE COURSE OF DISEASE IN DOGS WITH MITRAL VALVE DISEASE. *Proceedings of the All-Ukrainian*

*Scientific Conference of Students and Postgraduates Dedicated to the International Student's Day* (November 18-22, 2024) p. 304.

3. **Petrov, R., & Derevyanchenko, O.** (2024). Determination of the therapeutic efficacy of a drug against feline siphonapterosis based on selamectin and praziquantel. *NV LNU Veterinary Medicine and Biotechnology. Series: Veterinary Sciences*, 26(116), 79-82. <https://doi.org/10.32718/nvlvet11611>

4. **Reshetylo E.O. Petrov R.V.** (2023). CAT HIT BY A CROSSBOW ARROW. *Materials of the All-Ukrainian Scientific Conference of Students and Postgraduates Dedicated to International Student Day* (November 13-17, 2023) SNAU. P.241

5. **Livoshchenko T.M., Petrov R.V.** (2024). MONITORING OF THE EPIZOTIC SITUATION OF THE MAIN PARASITARIAN DISEASES OF ANIMALS IN 2019-2023 IN THE KHARKIV REGION *Materials of the Scientific-Professional Conference of Teachers, Postgraduate Students and Students of Sumy NAU* (May 14-16, 2024) P. 242

6. **Derevyanchenko O.V., Petrov R.V.** (2024). SIPHONAPTEROSIS OF DOGS AND CATS IN THE CITY OF SUMY *Materials of the Scientific and Professional Conference of Teachers, Postgraduate Students and Students of Sumy NAU* (May 14-16, 2024) P. 279

7. **Yakovlev, I. O., & Petrov, R. V.** (2024). STUDY OF PULMONARY ARTERY VALVE STENOSIS IN DOGS AND CATS OF SUMY *Materials of the Scientific Conference of Teachers, Postgraduates and Students of Sumy NAU* (May 14-16, 2024) P. 280

8. **Derevyanchenko, O. V., & Petrov, R. V.** (2023). MONITORING OF THE EPIZOOTIC SITUATION REGARDING PATHOGENS OF ECTOPARASITIS OF DOGS AND CATS IN THE CITY OF SUMY. *Bulletin Sumy National Agrarian University. Series: Veterinary Medicine*, (4(63), 9-14. <https://doi.org/10.32782/bsnau.vet.2023.4.2>

9. **Petrov R. V., Yakovlev I. O.** (2023). Monitoring diseases cardiovascular dog and cat systems based on veterinary of the clinic "10 Friends" in Sumy. *Materials of the 12th scientific conferences «Scientific Results of 2023»* (Kharkiv, December 20, 2023). 8. <http://surl.li/olmnnw>

10. **Petrov, R. V., Reshetylo, O. I., Zon, G. A., Kysterna, O. S., & Reshetylo, E. O.** (2023). EFFECTIVENESS OF IMMUNOSTIMULATORS IN THE TREATMENT OF CATS SICK OF HERPESVIRUS RHINOTRACHEITIS. *Bulletin of Sumy National Agrarian University. Series: Veterinary Medicine*, (1(60), 74-80. <https://doi.org/10.32782/bsnau.vet.2023.1.12>

11. **Yakovlev, I. O., & Petrov, R. V.** (2023). MONITORING OF DISEASES OF DOGS AND CATS ON THE BASIS OF THE ZVC "10 FRIENDS" IN SUMY. *Bulletin of the Sumy National Agrarian University. Series: Veterinary Medicine*, (4(63), 139-144. <https://doi.org/10.32782/bsnau.vet.2023.4.22>

12. **Derevyanchenko, O. V., & Petrov, R. V.** (2023). MONITORING OF THE EPIZOOTIC SITUATION REGARDING PATHOGENS OF ECTOPARASITIS OF DOGS AND CATS IN THE CITY OF SUMY. *Bulletin of the Sumy National Agrarian University. Series: Veterinary Medicine*, (4(63), 9-14. <https://doi.org/10.32782/bsnau.vet.2023.4.2>

13. **Petrov R. V., Yakovlev I. O.** (2023). Monitoring of cardiovascular diseases in dogs and cats based on the veterinary clinic "10 Friends" in Sumy. *Materials of the XII scientific conference "Scientific results of 2023"* (Kharkiv, December 20, 2023). 8. <http://surl.li/olmnnw>

14. **Derevyanchenko O.V., Petrov R.V.** (2023). STRATEGY FOR DEVELOPING NEW FLEA DRUGS. *Materials of the All-Ukrainian Scientific Conference of Students and Postgraduates Dedicated to International Student Day* (November 13-17, 2023) SNAU. P.198

15. **Mechev A.I., Dragan M.O., Petrov R.V.** (2023). Measures to combat rabies in the city of Sumy. *Materials of the All-Ukrainian scientific conference of students and postgraduates dedicated to the International Student Day* (November 13-17, 2023) SNAU. P.199