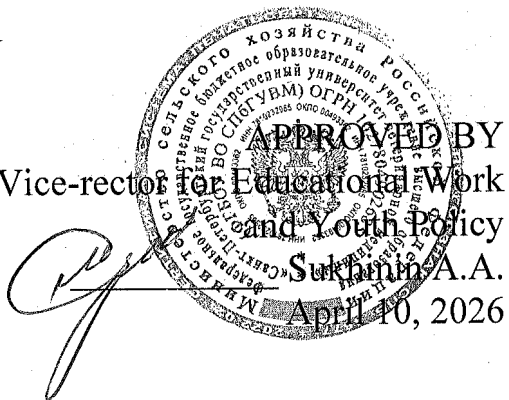


Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Сухинин Александр Александрович
Должность: Проректор по учебно-воспитательной работе
Дата подписания: 26.06.2026 10:08:25
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Ministry of Agriculture of the Russian Federation
Federal State Budgetary Educational Institution of
Higher Education
"St. Petersburg State University of
Veterinary Medicine"

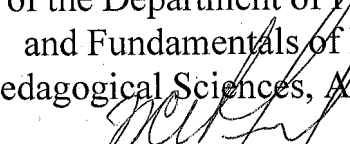
APPROVED BY
Vice-rector for Educational Work
and Youth Policy
Sukhinin A.A.
April 10, 2026



Department of Physical Education and Fundamentals of Military Training

EDUCATIONAL WORK PROGRAM
for the discipline
"FUNDAMENTALS OF MILITARY TRAINING"
The level of higher education
SPECIALIST COURSE
Specialty 36.05.01 Veterinary Medicine
Profile: «General clinical veterinary medicine»
Full-time education
Education starts in 2026

Reviewed and adopted
at the meeting of the department
on April 9, 2026.
Protocol No. 9

Head of the Department of Physical Education
and Fundamentals of Military Training,
Candidate of Pedagogical Sciences, Associate Professor

A.V. Zhivoderov

Saint Petersburg
2026

1. GOALS AND OBJECTIVES OF THE DISCIPLINE

The purpose of the academic discipline "Fundamentals of Military Training" is to develop in students the knowledge, skills and abilities necessary to become citizens capable and ready to fulfill military duty and the obligation to defend their homeland in accordance with the legislation of the Russian Federation, students to master the necessary amount of theoretical and practical knowledge for mastering competencies in accordance with the Federal State Educational Standard in the specialty of Veterinary Medicine, preparing students capable and ready to perform labor functions in peacetime and wartime. This goal is realized in a system of tasks.

2. OBJECTIVES OF THE DISCIPLINE “FUNDAMENTALS OF MILITARY TRAINING”

1. Formation in students of an understanding of the main provisions of the military doctrine of the Russian Federation, as well as the fundamentals of military development and the structure of the Armed Forces of the Russian Federation (RF Armed Forces)

2. Nurturing discipline, high moral and psychological qualities of the individual citizen - patriot

3. Mastering basic knowledge and developing key military skills

4. Disclosure of the specifics of the activities of various categories of military personnel of the RF Armed Forces

5. Formation of drill smartness, respect for military rituals and traditions, military uniforms

6. Mastering the knowledge of statutory norms and rules of conduct for military personnel.

3. LIST OF PLANNED LEARNING RESULTS IN THE DISCIPLINE (MODULE), CORRELATED WITH THE PLANNED RESULTS OF MASTERING THE EDUCATIONAL PROGRAM

The discipline “Fundamentals of Military Training” belongs to the compulsory part of Block 1 “Disciplines (modules) compulsory part” B1.O.38 in the field of 36.05.01 Veterinary medicine. Students are taught the discipline "Fundamentals of Military Training" in the 6th semester of full-time education. The process of studying the discipline is aimed at training, educating and developing in the graduate the following competencies necessary to perform labor functions and labor actions in accordance with the professional standard “Veterinary Medicine”

4. STUDENT COMPETENCIES FORMED AS A RESULT OF MASTERING THE DISCIPLINE

Studying the discipline should form the following competencies:

Compete nation	Competency category	Competency ID Categories		Experience
		ID – 1UC-8	ID – 2UC-8	
UC-8	Able to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of the threat and occurrence of emergencies and military conflicts	Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; life safety basics, emergency phone numbers	Be able to identify signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger for a student and take measures to prevent it in an educational institution; provide first aid in emergency situations.	Personal experience, skills and abilities to improve your functional abilities

5. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF THE MPEP

The discipline “Fundamentals of Military Training” belongs to the compulsory part of Block 1 “Disciplines (modules)”, compulsory part B1.O.38 in the specialty of 36.05.01 Veterinary Medicine. Students are taught the discipline "Fundamentals of Military Training" in the 6th semester of full-time education.

6. SCOPE OF THE DISCIPLINE “FUNDAMENTALS OF MILITARY TRAINING”

6.1. SCOPE OF THE DISCIPLINE “FUNDAMENTALS OF MILITARY TRAINING” FOR FULL-TIME STUDY

Type of educational work	Total hours	Semesters
		6
Auditory lessons	68	68
Lectures (L), including interactive forms	34	34
Practical lessons (PL)	34	34
Independent work (IW)	40	40
Type of intermediate certification (test, exam)	test	test
Total labor intensity, hours	108	108
Total labor intensity, credit units	3	3

7. CONTENTS OF THE DISCIPLINE “PHYSICAL EDUCATION”
7.1. CONTENTS OF THE DISCIPLINE "PHYSICAL CULTURE"
FULL-TIME EDUCATION

No.	Name of the section, topic of the discipline	Formed competencies	L	PL	IW
1	Section 1. General military regulations of the RF Armed Forces	<p>UC-8 Able to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of the threat and occurrence of emergencies and military conflicts.</p> <p>ID – 1UC-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; basics of life safety, emergency phone numbers.</p> <p>ID – 2UC-8 Be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger for a student and take measures to prevent it in an educational institution; provide first aid in emergency situations.</p>	2	2	2
2	Section 2. Drill		4	4	4
3	Section 3. Small arms fire training		4	8	8
4	Section 4. Fundamentals of tactics of combined arms units		4	2	4
5	Section 5. Radiation, chemical and biological protection		4	2	4
6	Section 6. Military topography		4	4	6
7	Section 7. Basics of medical care		4	4	6
8	Section 8. Military-political training		4	4	2
9	Section 9. Legal training		4	4	4
	AND THAT		34	34	40

7.4. LECTURE CLASSES
Full-time form of training

No.	Name of the discipline section	Section Contents
1	Section 1. General military regulations of the RF Armed Forces	General military regulations of the Armed Forces of the Russian Federation, their basic requirements and content. Internal order and daily outfit. General provisions of the Charter of garrison and guard service.
2	Section 2. Drill	Drill techniques and movement without weapons.
3	Section 3. Small arms fire training	Basics, techniques and rules of shooting from small arms. Purpose, combat properties, material and use of small arms, hand-held anti-tank grenade launchers and hand grenades. Performing small arms training exercises.
4	Section 4. Fundamentals of tactics of combined arms units	The Armed Forces of the Russian Federation, their composition and tasks. Tactical and technical characteristics (TTX) of the main types of weapons and equipment of the RF Armed Forces. Fundamentals of combined arms combat. Fundamentals of engineering support. Organization of military units and units, weapons, military equipment of a potential enemy.
5	Section 5. Radiation, chemical and biological protection	Nuclear, chemical, biological, incendiary weapons. Radiation, chemical and biological protection.
6	Section 6. Military topography	Terrain as an element of the combat situation. Measurements and orientation on the ground without a map, movement in azimuths. Topographic maps and their reading, preparation for work. Determination of object coordinates and target designation on the map
7	Section 7. Basics of medical care	Medical support for troops (forces), first aid for wounds, injuries and special cases
8	Section 8. Military-political training	Russia in the modern world. The main directions of socio-economic, political and military-technical development of the country.
9	Section 9. Legal training	Military doctrine of the Russian Federation. Legislation of the Russian Federation on military service

7.6. PRACTICAL LESSONS

Full-time form of training

No.	Name of the discipline section	Section Contents
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1	Section 1. General military regulations of the RF Armed Forces	Internal order and daily attire Accommodation of military personnel. Time distribution and internal order. The company's daily outfit, its purpose, composition. Orderly, company duty officer. Divorce of the daily outfit. General provisions of the Charter of garrison and guard service. Responsibilities of the guard and sentry.
2	Section 2. Drill	Construction and its elements. Types of construction. Signals for formation control. Commands and order of their submission. Responsibilities of commanders and military personnel before formation and in the ranks. Combat crew. Combat stand. Execution of commands: “Stand up”, “Equal”, “At attention”, “At ease”, “Refuel”. Turns in place. Combat step. Movement at a marching pace. Movement in marching steps as part of a unit. Turns while moving. Movement within a platoon. Managing a unit on the move.
3	Section 3. Small arms fire training	Safety requirements for handling small arms. Safety requirements when conducting fire training classes. Techniques and rules of shooting from small arms. Purpose, combat properties, material and use of small arms, hand-held anti-tank grenade launchers and hand grenades. Purpose, composition, combat properties and order of assembly and disassembly of AK-74 and RPK-74. Purpose, composition, combat properties and order of assembly and disassembly of the PM pistol. Purpose, composition, combat properties of the RPG-7. Purpose, combat properties and material part of hand grenades. Assembling and disassembling the PM pistol and preparing it for combat use. Assembling, disassembling AK-74, RPK-74 and preparing them for combat use. Equipping stores and preparing hand grenades for combat use. Performing small arms training exercises. Safety requirements for organizing and conducting small arms shooting. The procedure for performing training shooting exercises. Safety measures during shooting and testing the acquisition of knowledge and safety measures when handling small arms. Compliance with standard No. 1 of the small arms shooting course.
4	Section 4. Fundamentals of tactics of combined arms units	Goals and main tasks of engineering support of units and subunits. Purpose, classification of engineering ammunition, engineering obstacles and their characteristics. Field fortifications: trench, trench, communications, shelters, shelters.

5	Section 5. Radiation, chemical and biological protection	Radiation, chemical and biological protection Goal, objectives and measures of RCB protection. Special treatment measures: degassing, decontamination, disinfection, sanitary treatment. Purposes and procedures for partial and complete special processing. Technical means and devices for radiation, chemical and biological protection. Personal protective equipment and the procedure for their use. Fitting and technical testing of personal protective equipment.
6	Section 6. Military topography	Topographic maps and their reading, preparation for work. Determination of object coordinates and target designation on the map. Geometric essence, classification and purpose of topographic maps. Determination of geographic and rectangular coordinates of objects on the map. Target designation on the map.
7	Section 7. Basics of medical care	First aid for wounds and injuries. First aid for injuries caused by toxic substances or bacteriological agents. Medical support - as a type of comprehensive support for troops. Responsibilities and equipment of tactical medical service officials in combat. General rules for self-help and mutual assistance. First aid for wounds and injuries. First aid for injuries caused by toxic substances or bacteriological agents. Contents of first aid measures.
8	Section 8. Military-political training	Russia in the modern world. The main directions of socio-economic, political and military-technical development of the country. New trends and features of the development of modern international relations. The place and role of Russia in a multipolar world. The main directions of socio-economic, political and military-technical development of the Russian Federation. Goals, objectives, directions and forms of military-political work in the unit, requirements of governing documents.
9	Section 9. Legal training	Military doctrine of the Russian Federation. Legislation of the Russian Federation on military service. Basic provisions of the Military Doctrine of the Russian Federation. Legal basis of conscription and military service. The concept of military service, its types and their characteristics. Responsibilities of citizens regarding military registration.

7.8. INDEPENDENT WORK OF STUDENTS

1. Structure, requirements and main content of general military regulations.
2. Internal order and daily outfit.
3. General provisions of the Charter of garrison and guard service. Responsibilities of the guard and sentry.
4. Construction and its elements. Types of construction. Signals for formation control.
5. Commands and order of their submission. Responsibilities of commanders and military personnel before formation and in the ranks.
6. Control of a unit on the move.
7. Techniques and rules for shooting from small arms.
8. Safety requirements for handling small arms.
9. Purpose, combat properties, material and use of small arms, hand-held anti-tank grenade launchers and hand grenades.
10. Performing small arms training exercises.
11. Safety requirements when organizing and conducting small arms shooting.
12. Procedure for performing training shooting exercises.
13. Compliance with standard No. 1 of the small arms shooting course.
14. The essence of modern combined arms combat, its characteristics and types. Methods of conducting modern combined arms combat and means of armed struggle.
15. Goals and main tasks of engineering support for units and units.
16. Purpose, classification of engineering ammunition, engineering obstacles and their characteristics.
17. Topographic maps and their reading, preparation for work. Determination of object coordinates and target designation on the map.
18. Geometric essence, classification and purpose of topographic maps.
19. Medical support - as a type of comprehensive support for troops.
20. The main directions of socio-economic, political and military-technical development of the Russian Federation.

6. LIST OF EDUCATIONAL AND METHODOLOGICAL SUPPORT FOR INDEPENDENT WORK OF STUDENTS

6.1. Guidelines for independent work

1. Methodological recommendations for students of the IV functional group of health on performing independent work and completing a paper on the academic discipline "Physical culture and sport" / comp.: S. G. Kruglov, E. A. Gavrilova, N. M. Zharinov, E. N. Zharinova; Ministry of Agriculture of the Russian Federation, SPbGAVM. - Saint Petersburg : SPbGAVM, 2017. – URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9NjM4JnBzPTI2> (access date: 04/09/2026) - 25 p. - Access mode: for authors. EB SPbGUVVM users. - Text : electronic.
2. Zharinov, Nikolai Mikhailovich. Methodological recommendations on the discipline "Physical culture and sport" for students with disabilities, training area 05/36.01 –

"Veterinary Medicine", higher education level - specialty / N. M. Zharinov, E. N. Zharinova ; Ministry of Agriculture of the Russian Federation, SPbGAVM. - Saint Petersburg : FSBEI HE SPbGAVM, 2016. - 32 p. – URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9NjkyJnBzPTM0> Access mode: (access date: 04/09/2026) - for authors. EB SPbGUVVM users. - Text : electronic.

6.2. Literature for independent work

1. Zhivoderov, Alexey Valerievich. Vypolnenie i oformlenie referativnoj raboty po uchebnoj discipline "Fizicheskaya kul'tura" [Execution and design of the abstract work on the academic discipline "Physical culture" : an educational and methodical manual] / A.V. Zhivoderov, S. G. Kruglov, E. A. Gavrilova ; Ministry of Agriculture of the Russian Federation, SPbGUVVM. - Saint Petersburg : Publishing House of SPbGUVVM, 2025. - 88 p. – URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9MjA2MjYmcHM9ODg> (access date: 04/09/2026) - Access mode: for authors. EB SPbGUVVM users. - Text : electronic.

7. LIST OF BASIC AND ADDITIONAL LITERATURE REQUIRED FOR MASTERING THE DISCIPLINE

a) basic literature:

1. Zharinov, Nikolai Mikhailovich. Fizicheskaya kul'tura i sport : metodicheskie rekomendacii po podgotovke i oformleniyu referatov dlya studentov funkcional'nyh grupp zdorov'ya vseh special'nostej i napravlenij podgotovki [Physical culture and sport : methodological recommendations for the preparation and design of research papers for students of functional health groups of all specialties and areas of study] / N. M. Zharinov. - St. Petersburg : Center for Strategic Studies, 2019. - 16 p. – URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9NTMwJnBzPTE2> (access date: 04/09/2026) - Access mode: for authors. EB SPbGUVVM users. - Text : electronic.

b) additional literature:

1. Rol' i mesto fizicheskoy kul'tury v sisteme vysshego obrazovaniya : sbornik nauchnyh statej [The role and place of physical culture in the higher education system : a collection of scientific articles] / editors: S.M. Ashkinazi, N.M. Zharinov, E.N. Zharinova [et al.] ; Ministry of Agriculture of the Russian Federation, St. Petersburg State University. - St. Petersburg : SPbGUVVM, 2024. - 372 p. – URL: <https://search.spbguvvm.informsistema.ru/viewer.jsp?aWQ9MTk4NTImcHM9Mzc0> (access date: 04/09/2026) - Access mode: for authors. EB SPbGUVVM users. - Text : electronic.

10. LIST OF RESOURCES OF THE INTERNET INFORMATION AND TELECOMMUNICATION NETWORK NECESSARY FOR MASTERING THE DISCIPLINE

To prepare for practical classes and perform independent work, students can use the following Internet resources:

1. <http://pravo.gov.ru/>- Official Internet portal of legal information.
2. Reference and legal system "Consultant Plus" <http://www.consultant.ru/>
3. Scopus abstract database on the SciVerse® platform from

Elsevier www.scopus.com

4. EBS ZNANIUM EBS "Znanium" electronic library system of the publishing house "INFRA-M" <http://znanium.com/>

5. [EBS "Student Consultant"](#)
6. [University information system "RUSSIA"](#)
7. [Full text database POLPRED.COM](#)

8. [Russian Scientific Network](#)
9. [Electronic library system IQlib](#)

10. Electronic books from the publishing house "Prospekt Nauki" <http://prospektnauki.ru/ebooks/>

Electronic library systems:

1. [EBS "SPBGUVM"](#)
2. [Legal reference system "Consultant Plus"](#)
3. [University information system "RUSSIA"](#)
4. [Full text database POLPRED.COM](#)
5. [Scientific electronic library ELIBRARY.RU](#)
6. [Russian Scientific Network](#)
7. [Electronic library system IQlib](#)

8. Full-text interdisciplinary database for agricultural and environmental sciences [ProQuest AGRICULTURAL AND ENVIRONMENTAL SCIENCE DATABASE](#)

9. Electronic books from the publishing house "Prospekt Nauki" <http://prospektnauki.ru/ebooks/>

11. THE EDUCATIONAL PROCESS FOR THE DISCIPLINE INVOLVES THE USE OF INFORMATION TECHNOLOGY

- ✓ conducting practical classes using multimedia;
- ✓ interactive technologies (conducting dialogues, collective discussion of various approaches to solving a particular educational and professional problem);
- ✓ interaction with students via email;
- ✓ joint work in the Electronic Information and Educational Environment of St. Petersburg State University of Mathematics and Mathematics: <https://spbguvvm.ru/academy/eios>

9.1. SOFTWARE

LIST OF LICENSED AND FREE DISTRIBUTED SOFTWARE, INCLUDING DOMESTIC PRODUCTION

No.	Name of technical and computer training aids recommended by	License
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	sections and topics of the program	
1	MS PowerPoint	67580828
2	LibreOffice	free software
3	OS Alt Education 8	AAO.0022.00
4	ABIS "MARK-SQL"	02102014155
5	MS Windows 10	67580828
6	System ConsultantPlus	503/KL
7	Android OS	free software

12. MATERIAL AND TECHNICAL BASE REQUIRED FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE

12.1. Tables and chairs with 40 seats, a chalkboard, 1 computer desk for the teacher, 1 computer with Internet access, 1 interactive whiteboard.

12.2. Visual materials (specialized stands, posters, videos, teaching aids, presentations). Training weapons, ammunition, hand grenades, weight and size models of small arms and grenades (according to the list of weapons, military equipment and military training equipment).

12.3. Rooms for independent work. Specialized audience "General military regulations". Specialized audience "Fire training class".

Developers:

Associate Professor of the Department of Physical Education and Fundamentals of Military Training
Candidate of Pedagogical Sciences, Associate Professor

Zhivoderov A.V.

Associate Professor of the Department of Physical Education and Fundamentals of Military Training
Candidate of Pedagogical Sciences, Associate Professor

Evdokimov I.M.

Ministry of Agriculture of the Russian Federation
Federal State Budgetary Educational Institution
of higher education
"St. Petersburg State University of Veterinary Medicine"

Department of Physical Education and Fundamentals of Military Training

FUND OF ASSESMENT TOOLS
for the discipline

"FUNDAMENTALS OF MILITARY TRAINING"

Level of higher education

SPECIALIST COURSE

Specialty 36.05.01 Veterinary Medicine

Profile: «General clinical veterinary medicine»

Full-time education

Education starts in 2026

Saint Petersburg
2026

1. PASSPORT OF THE ASSESSMENT FUND

Table 1

N o.	Molded competencies	Controlled sections (topics) disciplines	Evaluation tool
1	<p>UC-8 Able to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of the threat and occurrence of emergencies and military conflicts.</p> <p>ID – 1UC-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; basics of life safety, emergency phone numbers.</p> <p>ID – 2UC-8 Be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger for a student and take measures to prevent it in an educational institution; provide first aid in emergency situations.</p>	Section 1. General military regulations of the RF Armed Forces	Interview (survey)
2		Section 2. Drill	Interview (survey)
3		Section 3. Small arms fire training	Interview (survey)
4		Section 4. Fundamentals of tactics of combined arms units	Interview (survey)
5		Section 5. Radiation, chemical and biological protection	Interview (survey)
6		Section 6. Military topography	Interview (survey)
7		Section 7. Basics of medical care	Interview (survey)
8		Section 8. Military-political training	Interview (survey)
9		Section 9. Legal training	Interview (survey)

Approximate list of assessment tools

table 2

N o.	Name evaluation tool	Brief description of the evaluation tool	Presentation of the assessment tool in the fund
1.	Interview (survey)	A means of control, organized as a special conversation between a teacher and a student on topics related to the discipline being studied, and designed to determine the amount of knowledge of the student in a certain section, topic, problem, etc.	Questions on topics/sections of the discipline, presented in relation to competencies

2. INDICATORS AND CRITERIA FOR ASSESSING COMPETENCIES AT VARIOUS STAGES OF THEIR FORMATION, DESCRIPTION OF ASSESSMENT SCALES

Table 3

Planned results of mastering the competency	Mastery level				Evaluation tool
	unsatisfactory	satisfactorily	Fine	Great	
<p>• Able to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of the threat and occurrence of emergencies and military conflicts (UC-8);</p>					
<p>ID – 1UC-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; basics of life safety, emergency phone numbers.</p> <p>ID – 2UC-8 Be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger for a student and take measures to prevent it in an educational institution; provide first aid in emergency situations.</p>	<p>Knowledge level below the minimum requirements, serious errors occurred</p>	<p>Minimum acceptable level of knowledge, a lot is allowed minor mistakes</p>	<p>Level of knowledge in a volume corresponding to the training program, is allowed a few minor mistakes</p>	<p>Level of knowledge in volume corresponding to the program preparation, without errors.</p>	<p>Interview (survey)</p>

3. LIST OF CHECK TASKS AND OTHER MATERIALS REQUIRED FOR THE ASSESSMENT OF KNOWLEDGE, ABILITIES, SKILLS AND ACTIVITY EXPERIENCE

3.1. Typical tasks for ongoing progress monitoring

3.1.1. Topics for interview (survey)

Formed competencies:

UC-8 Able to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of a threat or emergency situations and military conflicts.

ID – 1UC-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; basics of life safety, emergency phone numbers.

ID – 2UC-8 Be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger for a student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

3.2.1. Questions for the first milestone certification

1. Define combined arms combat and list its types.
2. Define the terms “Strike”, “Fire” and reveal their types.
3. Define “maneuver” and depict it with “Coverage” and “Bypass” diagrams.
4. List the basic principles of combined arms combat.
5. List the types of tactical actions (main, supporting, special and auxiliary).
6. List the combat support units of the SMEs and reveal their purpose.
7. What is a topographic map?
8. What is called a commander's work card?
9. Define geographic coordinates
10. Define plane rectangular coordinates.
11. Give a classification of topographic maps by scale.
12. Give a classification of conventional topographical signs and reveal what local objects they are used to depict.
13. List the tactical properties of the area and describe the local objects characteristic of these properties.
14. Define the concept of “terrain” and describe the shape of the relief and how it is displayed.
15. List the methods of orientation on the ground and what their essence is.

Sample ticket for the first milestone certification

Ticket No. 1

Discipline:Basics of military training

1. Define combined arms combat and list its types.
2. List the types of tactical actions (main, supporting, special and auxiliary).

3.2.2. Questions for the second milestone certification

Formed competencies:

UC-8 Able to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of a threat or emergency situations and military conflicts.

ID – 1UC-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; basics of life safety, emergency phone numbers.

ID – 2UC-8 Be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger for a student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

1. Regulatory and legal framework for the use of weapons, special equipment, individual and collective protection equipment.
2. Special means in service with units of the Russian internal affairs bodies. Personal armor protection.
3. Active defense means.
4. Means of supporting special operations.
5. Tear agents and hand gas grenades, which are in service with the Russian internal affairs bodies.
6. Special coloring and marking agents, light-shock devices used by Russian internal affairs agencies.
7. Light and acoustic special means used by the internal affairs bodies and internal troops of Russia.
8. Respiratory, face and eye protection (combined military filter gas masks, respirators, self-contained breathing apparatus).
9. Skin protection means (combined arms protective suit, light protective suit L-1, combined arms complex protective suit).
10. The influence of insulating suits on the human body.
11. Collective means of protection (hermetic protective structures, anti-radiation shelters, simple shelters).
12. The purpose and objectives of fire training in the system of internal affairs bodies of Russia.

13. Safety requirements during firing exercises.
14. Safety requirements when shooting small arms in combat conditions.
15. The concept of the reality of shooting from a firearm.
16. Hand grenade launchers (Russian under-barrel grenade launchers GP-25/30, hand-held anti-tank grenade launcher RPG-7, single-use hand-held anti-tank grenade launchers).
17. Offensive hand grenade RGD-5 (RGN).
18. F-1 hand defensive grenade (RGO).

Sample ticket for the second milestone certification
ST. PETERSBURG STATE UNIVERSITY OF VETERINARY MEDICINE

Ticket No. 1

Discipline:Basics of military training

1. Regulatory and legal framework for the use of weapons, special equipment, individual and collective protection equipment.
2. Safety requirements when firing small arms in combat conditions.

3.2.3. Questions for testing

Formed competencies:

UC-8 Able to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of a threat or emergency situations and military conflicts.

ID – 1UC-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; basics of life safety, emergency phone numbers.

ID – 2UC-8 Be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger for a student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

1. Define combined arms combat and list its types.
2. Define the terms “Strike”, “Fire” and reveal their types.
3. Define “maneuver” and depict it with “Coverage” and “Bypass” diagrams.
4. List the basic principles of combined arms combat.
5. List the types of tactical actions (main, supporting, special and auxiliary).
6. List the combat support units of the SMEs and reveal their purpose.
7. What is a topographic map?
8. What is called a commander's work card?

9. Define geographic coordinates
10. Define plane rectangular coordinates.
11. Give a classification of topographic maps by scale.
12. Give a classification of conventional topographical signs and reveal what local objects they are used to depict.
13. List the tactical properties of the area and describe the local objects characteristic of these properties.
14. Define the concept of “terrain” and describe the shape of the relief and how it is displayed.
15. List the methods of orientation on the ground and what their essence is.
16. Regulatory and legal framework for the use of weapons, special equipment, personal and collective protection equipment.
17. Special means in service with units of the Russian internal affairs bodies. Personal armor protection.
18. Active defense means.
19. Means of supporting special operations.
20. Tear agents and hand gas grenades, which are in service with the Russian internal affairs bodies.
21. Special coloring and marking agents, light-shock devices used by Russian internal affairs agencies.
22. Light and acoustic special means used by the internal affairs bodies and internal troops of Russia.
23. Respiratory, face and eye protection (combined military filter gas masks, respirators, self-contained breathing apparatus).
24. Skin protection means (combined arms protective suit, light protective suit L-1, combined arms complex protective suit).
25. The influence of insulating suits on the human body.
26. Collective means of protection (hermetic type protective structures, anti-radiation shelters, simple shelters).
27. The purpose and objectives of fire training in the system of internal affairs bodies of Russia.
28. Safety requirements during firing training.
29. Safety requirements when firing small arms in combat conditions.
30. The concept of the reality of shooting from a firearm.
31. Hand grenade launchers (Russian under-barrel grenade launchers GP-25/30, hand-held anti-tank grenade launcher RPG-7, single-use hand-held anti-tank grenade launchers).
32. Offensive hand grenade RGD-5 (RGN).
33. F-1 hand defensive grenade (RGO).

Sample ticket for competition

ST. PETERSBURG STATE UNIVERSITY OF VETERINARY MEDICINE

Ticket No. 1

Discipline:Basics of military training

1. Special means in service with units of the Russian internal affairs bodies. Personal armor protection.

2. The purpose and objectives of fire training in the system of internal affairs bodies of Russia.

3.3.1. Questions for monitoring

Formed competencies:

UC-8 Able to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of a threat or emergency situations and military conflicts.

ID – 1UC-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; basics of life safety, emergency phone numbers.

ID – 2UC-8 Be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger for a student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

Sample test tasks

1. General military regulations:

A) These are official regulatory documents regulating service in the Armed Forces, the rights and responsibilities of military personnel;

B) This is an official normative document on the organization of troops, marching and combat formations;

C) This is a set of rules for observing the moral principles of military personnel;

D) This is a set of rules for organizing troops.

2. Which of the state documents in the Russian Armed Forces obliges the service of fidelity and duty to the defense of our Fatherland:

A) Constitution of the Russian Federation;

B) Military ID;

B) Military oath;

D) Code of Honor of the Armed Forces of the Russian Federation.

3. At what age are males subject to conscription for military service, where defense of the Fatherland is the duty of a citizen of the Russian Federation:

A) from 18 years to 27 years;

B) from 17 years to 26 years;

B) from 19 years to 28 years;

D) from 18 years to 23 years.

4. Name the types of military service in the Russian Federation: A) conscription, contract, alternative;

- B) civil, for hire, contractual;
- B) private, by agreement of the parties, border;
- D) land, naval, air force.

5. What military discipline obliges every Russian military personnel:

- A) perform your military duty skillfully and courageously;
- B) be faithful to the military oath, strictly observe the Constitution and laws of the Russian Federation;
- C) steadfastly endure the difficulties of military service, not sparing one's life to fulfill military duty;
- D) honestly follow the orders of the command.

6. What is military discipline:

- A) Know the Disciplinary Charter of the Armed Forces of the Russian Federation;
- B) An established order of people's behavior that meets the established norms of law and morality in society;
- C) Observe the ritual of the Military Oath;
- D) Strictly follow the daily routine of the military unit.

7. When the initial military registration of male citizens is carried out:

- A) from 17 years to 18 years;
- B) from 16 years to 17 years;
- B) upon reaching the age of 18 years;
- D) in the year of reaching 17 years of age (from January to March inclusive).

8. In what case are female citizens of the Russian Federation registered for military service:

- A) If they study in educational institutions that have state accreditation;
- B) If they have appropriate combat bearing and a desire to serve;
- C) If they have a military specialty;
- D) If the father or sibling is a contract soldier.

9. Why are the Armed Forces created and military duty for citizens of the Russian Federation established?

- A) To carry out military operations;
- B) To preserve the integrity and sovereignty of the Russian Federation;
- B) For defense using means of armed struggle;
- D) To preserve the borders of the state.

10. Which Charter defines the general responsibilities of a soldier (sailor) and a squad commander?

- A) In the Disciplinary Charter of the Armed Forces of the Russian Federation;
- B) In the Military Regulations of the RF Armed Forces;
- B) In the Internal Service Charter;
- D) In the Charter of Garrison and Guard Service.

11. The system of political, economic, military, social and legal measures to ensure the state's readiness to defend against an armed attack, as well as to protect the population, territory and sovereignty of the Russian Federation is:

- A) Border service system;
- B) Defense;

- B) Mobilization,
- D) National security.

12. Name the main tasks of the Armed Forces of the Russian Federation:

- A) Ensuring nuclear deterrence in the interests of preventing both nuclear and conventional large-scale or regional war and carrying out peacekeeping activities;
- B) Ensuring the possibility of seizing adjacent territories in the national interests of the country;
- C) Ensuring reliable protection of the country;
- D) Prevention of regional military conflicts and world war.

13. Nuclear weapons are:

- A) High-precision offensive weapons based on the use of ionizing radiation during the explosion of a nuclear charge in the air on the ground or underground;
- B) Weapons of mass destruction with explosive action, based on the use of light radiation as a result of the emergence of a large flow of radiant energy during an explosion, including ultraviolet, visible and infrared rays;
- C) Weapons of mass destruction with explosive action based on the use of intranuclear energy.

14. Is it possible to hide from the shock wave if you saw a flash at a considerable distance?

- A) It's impossible. The light from a bright flash from a nuclear explosion spreads instantly, simultaneously with the shock wave.
- B) The only way to avoid being subjected to the damaging effects of a shock wave is to take shelter in a protective structure in advance;
- B) It is possible. A nuclear flash is visible from a great distance. The light travels instantly, and the shock wave travels the first kilometer in two seconds, then its speed decreases.

15. How do toxic substances enter the human body?

- A) When inhaling contaminated air;
- B) From clothes, shoes and hats;
- C) Getting into contact with skin and respiratory protection products.

16. Collective means of protection include:

- A) gas masks;
- B) respirators;
- B) shelters;
- D) skin protection products;
- D) anti-radiation shelters (PRU)

4. METHODOLOGICAL MATERIALS DEFINING THE PROCEDURES FOR ASSESSING KNOWLEDGE, SKILLS AND ABILITIES AND WORK EXPERIENCE CHARACTERIZING THE STAGES OF COMPETENCE FORMATION

Criteria for assessing students' knowledge during the colloquium:

- **Mark "excellent"** - the student clearly expresses his point of view on the issues under consideration, giving relevant examples.

- **Mark “good”** - the student makes some errors in the answer
- **Mark “satisfactory”** - the student reveals gaps in knowledge of the basic educational and normative material.
- **Mark “unsatisfactory”** - the student reveals significant gaps in knowledge of the basic principles of the discipline, inability, with the help of the teacher, to obtain the correct solution to a specific practical problem.

Criteria for assessing students' knowledge during testing:

The test result is assessed on a percentage rating scale. Each student is offered a set of test tasks consisting of 25 questions:

- **Mark “excellent”** – 25-22 correct answers.
- **Marked “good”** – 21-18 correct answers.
- **Mark “satisfactory”** – 17-13 correct answers.
- **Marked “unsatisfactory”** – less than 13 correct answers

Knowledge criteria for the intermediate examination:

- **The “pass” grade** must correspond to the parameters of any of the positive grades (“excellent”, “good”, “satisfactory”).

- **A “failed” grade** must correspond to the parameters of an “unsatisfactory” grade.

- **Mark “excellent”** – all types of academic tasks provided for by the curriculum were completed. The student demonstrates the correspondence of knowledge, skills and abilities to the indicators given in the tables, operates with acquired knowledge, skills and abilities, and applies them in situations of increased complexity. In this case, inaccuracies and difficulties may occur during analytical operations and the transfer of knowledge and skills to new, non-standard situations.

- **Mark “good”** – all types of educational tasks provided for by the curriculum were completed. The student demonstrates the correspondence of knowledge, skills and abilities to the indicators given in the tables, operates with acquired knowledge, skills and abilities, and applies them in standard situations. In this case, minor errors, inaccuracies, and difficulties during analytical operations and the transfer of knowledge and skills to new, non-standard situations may be made.

- **Mark “satisfactory”** – one or more types of academic tasks provided for by the curriculum were not completed. The student demonstrates incomplete correspondence of knowledge, abilities, skills with the indicators given in the tables, significant mistakes are made, a partial lack of knowledge, abilities, and skills is manifested in a number of indicators, the student experiences significant difficulties in operating knowledge and skills when transferring them to new situations.

- **The mark “unsatisfactory”** means that the types of academic tasks provided for in the curriculum were not completed. The student demonstrates incomplete correspondence of knowledge, abilities, skills with those given in the tables of indicators, significant errors are made, a lack of knowledge, abilities, and skills is manifested in a larger number of indicators, the student experiences significant difficulties in operating knowledge and skills when transferring them to new situations

Knowledge criteria for the final examination:

- **Mark “excellent”** – all types of academic tasks provided for by the curriculum were completed. The student demonstrates the correspondence of knowledge, abilities, skills with the indicators given in the tables, operates with acquired knowledge, abilities, skills, and applies them in situations of increased complexity. In this case, inaccuracies and difficulties may occur during analytical operations and the transfer of knowledge and skills to new, non-standard situations.

- **Mark “good”** – all types of educational tasks provided for by the curriculum were completed. The student demonstrates the correspondence of knowledge, skills and abilities to the indicators given in the tables, operates with acquired knowledge, skills and abilities, and applies them in standard situations. In this case, minor errors, inaccuracies, and difficulties during analytical operations and the transfer of knowledge and skills to new, non-standard situations may be made.

- **Mark “satisfactory”** – one or more types of academic tasks provided for by the curriculum were not completed. The student demonstrates incomplete correspondence of knowledge, abilities, skills with the indicators given in the tables, significant mistakes are made, a partial lack of knowledge, abilities, and skills is manifested in a number of indicators, the student experiences significant difficulties in operating knowledge and skills when transferring them to new situations.

- **The mark “unsatisfactory”** means that the types of academic tasks provided for in the curriculum were not completed. The student demonstrates incomplete correspondence of knowledge, abilities, skills with those given in the tables of indicators, significant errors are made, a lack of knowledge, abilities, and skills is manifested in a larger number of indicators, the student experiences significant difficulties in operating knowledge and skills when transferring them to new situations

5. ACCESSIBILITY AND QUALITY OF EDUCATION FOR DISABLED PEOPLE

If necessary, disabled people and persons with limited health capabilities are given additional time to prepare the answer for the test.

When carrying out the procedure for assessing the learning outcomes of people with disabilities and people with limited health capabilities, their own technical means may be used.

The procedure for assessing the learning outcomes of people with disabilities and people with limited health capabilities in the discipline provides for the provision of information in forms adapted to the limitations of their health and perception of information:

For people with visual impairments:	– in printed form in enlarged font, – in the form of an electronic document.
For people with hearing impairments:	– in printed form, – in the form of an electronic document.
For persons with musculoskeletal disorders	– in printed form, device: – in the form of an electronic document.

When carrying out the procedure for assessing the learning outcomes of disabled people and persons with limited health capabilities in the discipline, the fulfillment of the following additional requirements depending on the individual characteristics of the students are ensured by:

a) instructions on the procedure for conducting the assessment procedure are provided in an accessible form (orally, in writing);

b) an accessible form for submitting assignments of assessment tools (in printed form, in printed form in enlarged font, in the form of an electronic document, assignments are read out by the teacher);

c) an accessible form of providing answers to assignments (written on paper, typing answers on a computer, orally).

If necessary, for students with disabilities and people with disabilities, the procedure for assessing learning outcomes in the discipline can be carried out in several stages.

Procedure for assessing the learning outcomes of disabled people and persons with limited health capabilities is permitted using distance learning technologies.

Program abstract of the discipline B1.O.38
"Fundamentals of military training"
Specialty 36.05.01 Veterinary medicine
Profile: «General clinical veterinary medicine»

Purpose of the discipline: "Fundamentals of military training" is the formation in students of the knowledge, skills and abilities necessary to become citizens capable and ready to fulfill military duty and the responsibility to defend their homeland in accordance with the legislation of the Russian Federation, students mastering the necessary amount of theoretical and practical knowledge for mastering competencies in accordance with the Federal State Educational Standard in the specialty of Veterinary Medicine, preparing students capable and ready to perform labor functions in peacetime and wartime. This goal is realized in a system of tasks.

Place of discipline in the curriculum: B1.O.38 "Fundamentals of military training" refers to the mandatory part of the disciplines of the curriculum, the discipline is mastered in the 6th semester of full-time education.

Requirements for the results of mastering disciplines: as a result of studying the discipline, the following competencies are formed:

UC-8: Able to create and maintain safe living conditions in everyday life and professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of the threat and occurrence of emergencies and military conflicts.

ID – 1UC-8: Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and methods of protection from emergencies and military conflicts; basics of life safety, emergency phone numbers.

ID – 2UC-8: Be able to identify the signs, causes and conditions of emergencies and military conflicts; assess the likelihood of a potential danger for a student and take measures to prevent it in an educational institution; provide first aid in emergency situations.

Brief content of the discipline: General military regulations of the RF Armed Forces; Drill; Fire training from small arms; Fundamentals of tactics of combined arms units; Radiation, chemical and biological protection; Military topography; Basics of medical care; Military-political training; Legal training.

The total labor intensity of the discipline is: 3 credit units (108 hours).

Final control of the discipline: test.