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Ministry of Agriculture of the Russian Federation
Russian Federation Ministry of Agriculture of the Russian Federation
Federal State Budgetary Educational Institution
higher education
**"Saint Petersburg State University
veterinary medicine"**

I APPROVE
Vice-Rector
for educational and training work
and youth policy
A.A. Sukhinin
April 29, 2024



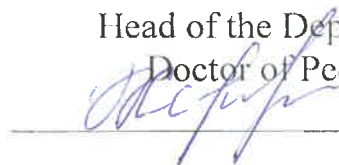
Department of Physical Education

WORK PROGRAM
by discipline
"FUNDAMENTALS OF MILITARY TRAINING"
Level of higher education
SPECIALITY
Specialty 36.05.01- Veterinary science
Full-time, part-time, correspondence forms of study

Start year of preparation - 2024

Reviewed and accepted
at a department meeting
April 29, 2024
Protocol No. 11

Head of the Department of Physics
Doctor of Pedagogical Sciences
A. V. Zhivoderov



Saint Petersburg
2024

1. GOALS AND OBJECTIVES OF THE DISCIPLINE

The objective of the academic discipline "Basics of Military Training" is to develop in students the knowledge, skills and abilities necessary to become citizens capable and ready to perform military duty and the duty to protect their homeland in accordance with the legislation of the Russian Federation, to provide students with the necessary amount of theoretical and practical knowledge to master competencies in accordance with the Federal State Educational Standard in the specialty Veterinary Science, to prepare students capable and ready to perform work functions in peacetime and wartime. This objective is implemented in a system of tasks.

2. OBJECTIVES OF THE DISCIPLINE "FUNDAMENTALS OF MILITARY TRAINING"

1. To develop in students an understanding of the main provisions of the military doctrine of the Russian Federation, as well as the foundations of military development and the structure of the Armed Forces of the Russian Federation (AF RF)
2. Fostering 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 discipline in formation, respectful attitude towards military rituals and traditions, military uniform
6. Acquiring knowledge of statutory norms and rules of conduct for military personnel.

3. LIST OF PLANNED LEARNING OUTCOMES FOR THE DISCIPLINE (MODULE), CORRESPONDING WITH THE PLANNED OUTCOMES OF MASTERING THE EDUCATIONAL PROGRAM

The discipline "Basics of military training" refers to the mandatory part of Block 1 "Disciplines (modules) mandatory part" B1.O.38 OPP in the direction of training Veterinary Science (36.05.01). Students are taught the discipline "Basics of military training" in the 6th semester of full-time, part-time and part-time forms of study and in the 3rd year of the summer session of the part-time form of study. The process of studying the discipline is aimed at training, education and formation of the following competencies in the graduate necessary for the performance of labor functions and labor actions in accordance with the professional standard "Veterinary Science"

4. STUDENT COMPETENCES DEVELOPED AS A RESULT OF MASTERING THE DISCIPLINE

Studying the discipline should develop the following competencies:

Competency	Competency category	Competency Identifier Categories		Experience of activity
		ID – 1UK-8	ID – 2UK-8	
UK-8	Capable of creating and maintaining 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 occurrence of emergency situations and military conflicts	Know consequences of exposure to harmful and dangerous factors on the organism of animals, humans and the natural environment, methods and means of protection from emergency situations and military conflicts; fundamentals of life safety, emergency service telephone numbers	Be able to identify signs, causes and conditions of emergency situations and military conflicts; assess the likelihood of potential danger to 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 OPOP

The discipline "Basics of military training" refers to the mandatory part of Block 1 "Disciplines (modules)" mandatory part B1.O.38 OPP in the specialty Veterinary Science (36.05.01). Students are taught the discipline "Basics of military training" in the 6th semester of full-time, part-time and part-time education and in the 3rd year of the summer session of the part-time education.

6. SCOPE OF THE DISCIPLINE "FUNDAMENTALS OF MILITARY TRAINING"

**6.1. SCOPE OF THE DISCIPLINE "FUNDAMENTALS OF MILITARY
TRAINING"
FOR FULL-TIME EDUCATION**

Type of academic work	Total hours	Semesters
		6
Classroom lessons	68	68
Lectures, including interactive forms	34	34
Practical classes (PZ)	34	34
Independent work (IW)	40	40
Type of intermediate assessment (credit)		
Total labor intensity, hours	108	108
Total workload, credits	3	3

**6.2. SCOPE OF THE DISCIPLINE "FUNDAMENTALS OF MILITARY
TRAINING"
FOR PART-TIME AND FULL-TIME EDUCATION**

Type of academic work	Total hours	Semesters
		6
Classroom lessons	44	44
Lectures, including interactive forms	22	22
Practical classes (PZ)	22	22
Independent work (IW)	64	64
Type of intermediate assessment (credit)		
Total labor intensity, hours	108	108
Total workload, credits	3	3

**6.3. SCOPE OF THE DISCIPLINE "FUNDAMENTALS OF MILITARY
TRAINING"
FOR CORRESPONDENCE COURSES**

Type of academic work	Total hours	Semesters
		3rd year summer session
Classroom lessons	12	12
Lectures, including interactive forms	6	6
Practical classes (PZ)	6	6
Independent work (IW)	96	96
Type of intermediate assessment (credit)		
Total labor intensity, hours	108	108
Total workload, credits	3	3

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

Item No.	Name of section, topic of discipline	Competencies being developed	Lecture.	Practical lesson.	Self.slave.
1	Section 1. General military regulations of the RF Armed Forces	UK-8 Capable of creating and maintaining 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 occurrence of emergency situations and military conflicts. ID – 1UK-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and ways of protection from emergency situations and military conflicts; the basics of life safety, emergency service phone numbers.	2	2	2
2	Section 2. Drill		4	4	4
3	Section 3. Firearms training		4	8	8
4	Section 4. Fundamentals of combined arms tactics		4	2	4
5	Section 5. Radiation, chemical and biological protection	ID – 2UK-8 To be able to identify signs, causes and conditions of emergency situations and military conflicts; to assess the likelihood of potential danger to a student and take measures to prevent it in an educational institution; to provide first aid in emergency situations.	4	2	4
6	Section 6. Military topography		4	4	6
7	Section 7. Fundamentals of medical care		4	4	6
8	Section 8. Military and political training		4	4	2
9	Section 9. Legal training		4	4	4
		TOTAL	34	34	40

7.2. CONTENTS OF THE DISCIPLINE "PHYSICAL EDUCATION"
PART-TIME AND FULL-TIME EDUCATION

Item No.	Name of section, topic of discipline	Competencies being developed	Lecture.	Practical lesson.	Self.slave.
1	Section 1.General military regulations of the RF Armed Forces	UK-8 Capable of creating and maintaining 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 occurrence of emergency situations and military conflicts. ID – 1UK-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and ways of protection from emergency situations and military conflicts; the basics of life safety, emergency service phone numbers.	2	2	4
2	Section 2.Drill		2	2	4
3	Section 3.Firearms training		4	4	12
4	Section 4.Fundamentals of combined arms tactics		4	4	8
5	Section 5.Radiation, chemical and biological protection	ID – 2UK-8 To be able to identify signs, causes and conditions of emergency situations and military conflicts; to assess the likelihood of potential danger to a student and take measures to prevent it in an educational institution; to provide first aid in emergency situations.	2	2	8
6	Section 6.Military topography		2	2	10
7	Section 7.Fundamentals of medical care		2	2	10
8	Section 8.Military and political training		2	2	4
9	Section 9.Legal training		2	2	4
		TOTAL	22	22	64

7.3. CONTENTS OF THE DISCIPLINE "PHYSICAL EDUCATION" CORRESPONDENCE COURSES

Item No.	Name of section, topic of discipline	Competencies being developed	Lecture.	Practical lesson.	Self.slave.
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1	Section 1. General military regulations of the RF Armed Forces	UK-8. Capable of creating and maintaining 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 occurrence of emergency situations and military conflicts.	1	8
2	Section 2. Drill		-	10
3	Section 3. Firearms training		1	16
4	Section 4. Fundamentals of combined arms tactics		1	10
5	Section 5. Radiation, chemical and biological protection	ID – 1UK-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and ways of protection from emergency situations and military conflicts; the basics of life safety, emergency service phone numbers.	1	12
6	Section 6. Military topography		1	14
7	Section 7. Fundamentals of medical care		1	14
8	Section 8. Military and political training		-	6
9	Section 9. Legal training	ID – 2UK-8 To be able to identify signs, causes and conditions of emergency situations and military conflicts; to assess the likelihood of potential danger to a student and take measures to prevent it in an educational institution; to provide first aid in emergency situations.	-	6
TOTAL			6	96

7.4. LECTURES FULL-TIME AND CORRESPONDENCE FORMS OF EDUCATION

Item 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 main requirements and content. Internal order and daily outfit. General provisions of the Regulations of garrison and guard duty.
2	Section 2. Drill	Formation techniques and movement without weapons.

3	Section 3. Firearms training	Basics, techniques and rules of shooting from small arms. Purpose, combat properties, material part and use of small arms, hand-held anti-tank grenade launchers and hand grenades. Carrying out exercises of training shooting from small arms.
4	Section 4. Fundamentals of combined arms tactics	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. Basics of combined arms combat. Basics of engineering support. Organization of military units and subdivisions, weapons, combat 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 combat situation. Measurements and orientation on the terrain without a map, movement by azimuths. Topographic maps and their reading, preparation for work. Determining the coordinates of objects and target designation using a map
7	Section 7. Fundamentals of medical care	Medical support for troops (forces), first aid for wounds, injuries and special cases
8	Section 8. Military and 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

7.5. LECTURES CORRESPONDENCE EDUCATION

Item 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 main requirements and content. Internal order and daily outfit. General provisions of the Regulations of garrison and guard duty.
2	Section 3. Firearms training	Basics, techniques and rules of shooting from small arms. Purpose, combat properties, material part and use of small arms, hand-held anti-tank grenade

		launchers and hand grenades. Carrying out exercises of training shooting from small arms.
3	Section 4. Fundamentals of combined arms tactics	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. Basics of combined arms combat. Basics of engineering support. Organization of military units and subdivisions, weapons, combat equipment of a potential enemy.
4	Section 5. Radiation, chemical and biological protection	Nuclear, chemical, biological, incendiary weapons. Radiation, chemical and biological protection.
5	Section 6. Military topography	Terrain as an element of combat situation. Measurements and orientation on the terrain without a map, movement by azimuths. Topographic maps and their reading, preparation for work. Determining the coordinates of objects and target designation using a map
6	Section 7. Fundamentals of medical care	Medical support for troops (forces), first aid for wounds, injuries and special cases

7.6. PRACTICAL CLASSES FULL-TIME AND CORRESPONDENCE FORMS OF EDUCATION

Item No.	Name of the discipline section	Section Contents
1	Section 1. General military regulations of the RF Armed Forces	Internal order and daily outfit Accommodation of military personnel. Time distribution and internal order. Daily outfit of the company, its purpose, composition. Orderly, duty officer for the company. Distribution of daily outfit. General provisions of the Charter of garrison and guard service. Duties of the guard, sentry.
2	Section 2. Drill	Formation and its elements. Formation types. Formation control signals. Commands and the order of their issuance. Duties of commanders and servicemen before formation and in formation. Drill calculation. Formation stance. Execution of commands: "Fall", "Align", "Attention", "At ease", "Fuel". Turns on the spot.

		Marching step. Marching step movement. Marching step movement as part of a unit. Turns on the move. Movement as part of a platoon. Unit control on the move. Safety requirements for handling small arms. Safety requirements for conducting fire training sessions. Methods and rules for shooting from small arms. Purpose, combat properties, materiel and use of small arms, hand-held anti-tank grenade launchers and hand grenades. Purpose, composition, combat properties and assembly/disassembly procedure of the AK-74 and RPK-74. Purpose, composition, combat properties and assembly/disassembly procedure of the PM pistol. Purpose, composition, combat properties of the RPG-7. Purpose, combat properties and materiel of hand grenades. Assembly/disassembly of the PM pistol and its preparation for combat use. Assembly/disassembly of the AK-74, RPK-74 and their preparation for combat use. Loading magazines and preparing hand grenades for combat use. Performing small arms target practice exercises. Safety requirements for organizing and conducting small arms target practice. Procedure for performing target practice exercises. Safety measures during shooting and checking the acquisition of knowledge and safety measures when handling firearms. Completion of standard No. 1 of the firearms shooting course.
3	Section 3. Firearms training	
4	Section 4. Fundamentals of combined arms tactics	Objectives and main tasks of engineering support of units and subdivisions. Purpose, classification of engineering ammunition, engineering obstacles and their characteristics. Field fortifications: trench, trench, communication passage, shelters, refuges.
5	Section 5. Radiation, chemical and biological protection	Radiation, chemical and biological protection The purpose, tasks and measures of RCB protection. Special processing measures: degassing, decontamination, disinfection, sanitary treatment. The purposes and procedure for carrying out partial and full special processing. Technical means and devices of 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. Determining the coordinates of objects and target designation on the map. Geometric essence,

		classification and purpose of topographic maps. Determining the geographic and rectangular coordinates of objects on the map. Target designation on the map.
7	Section 7. Fundamentals of medical care	First aid for wounds and injuries. First aid for injuries caused by toxic substances, bacteriological agents. Medical support as a type of comprehensive support for troops. Duties and equipment of officials of the medical service of the tactical level in combat. General rules for self-help and mutual assistance. First aid for wounds and injuries. First aid for injuries caused by toxic substances, bacteriological agents. Contents of pre-hospital care.
8	Section 8. Military and 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 development of modern international relations. Place and role of Russia in the multipolar world. The main directions of socio-economic, political and military-technical development of the Russian Federation. Objectives, tasks, 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. Main provisions of the Military Doctrine of the Russian Federation. Legal basis for military duty and military service. The concept of military service, its types and their characteristics. Duties of citizens for military registration.

7.7. PRACTICAL CLASSES CORRESPONDENCE EDUCATION

Item No.	Name of the discipline section	Section Contents
1	Section 2. Drill	Formation and its elements. Formation types. Formation control signals. Commands and the order of their issuance. Duties of commanders and servicemen before formation and in formation. Drill calculation. Formation stance. Execution of commands: "Fall", "Align", "Attention", "At ease", "Fuel". Turns on the spot. Marching step. Marching step movement. Marching step

	movement as part of a unit. Turns on the move. Movement as part of a platoon. Unit control on the move.
2	Section 3.Firearms training Safety requirements for handling small arms. Safety requirements for conducting fire training sessions. Methods and rules for shooting from small arms. Purpose, combat properties, materiel and use of small arms, hand-held anti-tank grenade launchers and hand grenades. Purpose, composition, combat properties and assembly/disassembly procedure of the AK-74 and RPK-74. Purpose, composition, combat properties and assembly/disassembly procedure of the PM pistol. Purpose, composition, combat properties of the RPG-7. Purpose, combat properties and materiel of hand grenades. Assembly/disassembly of the PM pistol and its preparation for combat use. Assembly/disassembly of the AK-74, RPK-74 and their preparation for combat use. Loading magazines and preparing hand grenades for combat use. Performing small arms target practice exercises. Safety requirements for organizing and conducting small arms target practice. Procedure for performing target practice exercises. Safety measures during shooting and checking the acquisition of knowledge and safety measures when handling firearms. Completion of standard No. 1 of the firearms shooting course.
3	Section 4.Fundamentals of combined arms tactics Objectives and main tasks of engineering support of units and subdivisions. Purpose, classification of engineering ammunition, engineering obstacles and their characteristics. Field fortifications: trench, trench, communication passage, shelters, refuges.
4	Section 5.Radiation, chemical and biological protection Radiation, chemical and biological protection The purpose, tasks and measures of RCB protection. Special processing measures: degassing, decontamination, disinfection, sanitary treatment. The purposes and procedure for carrying out partial and full special processing. Technical means and devices of radiation, chemical and biological protection. Personal protective equipment and the procedure for their use. Fitting and technical testing of personal protective equipment.
5	Section 6.Military topography Topographic maps and their reading, preparation for work. Determining the coordinates of objects and target designation on the map. Geometric essence,

		classification and purpose of topographic maps. Determining the geographic and rectangular coordinates of objects on the map. Target designation on the map.
6	Section 7. Fundamentals of medical care	First aid for wounds and injuries. First aid for injuries caused by toxic substances, bacteriological agents. Medical support as a type of comprehensive support for troops. Duties and equipment of officials of the medical service of the tactical level in combat. General rules for self-help and mutual assistance. First aid for wounds and injuries. First aid for injuries caused by toxic substances, bacteriological agents. Contents of pre-hospital care.

7.8. INDEPENDENT WORK OF STUDENTS ON THE DISCIPLINE TOPICS SUBMITTED FOR INDEPENDENT STUDY

1. Structure, requirements and main content of general military regulations.
2. Internal order and daily routine.
3. General provisions of the Charter of garrison and guard service. Duties of the guard and sentry.
4. Formation and its elements. Formation types. Formation control signals.
5. Commands and the order of their issuance. Duties of commanders and military personnel before formation and in formation.
6. Managing a unit on the move.
7. Techniques and rules for shooting from small arms.
8. Safety requirements for handling firearms.
9. Purpose, combat properties, material part and use of small arms, hand-held anti-tank grenade launchers and hand grenades.
10. Performing training shooting exercises from small arms.
11. Safety requirements for organizing and conducting shooting from small arms.
12. Procedure for performing training shooting exercises.
13. Completion of 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. Objectives and main tasks of engineering support for units and subdivisions.
16. Purpose, classification of engineering ammunition, engineering barriers and their characteristics.
17. Topographic maps and their reading, preparation for work. Determining the coordinates of objects 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.

8. LITERATURE FOR INDEPENDENT STUDY

1. Charter of the garrison and guard services of the Armed Forces of the Russian Federation. - 3rd ed., reprinted. - St. Petersburg: Lan, 2022. - 240 p. - ISBN 978-5-8114-9331-9. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/189496> (date accessed: 26.06.2023);
2. Drill Regulations of the Armed Forces of the Russian Federation. - 3rd ed., reprinted. - St. Petersburg: Lan, 2022. - 132 p. - ISBN 978-5-507-45357-3. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/265211> (date accessed: 26.06.2023);
3. Charter of the internal service of the Armed Forces of the Russian Federation. - 2nd, reprinted. - St. Petersburg: Lan, 2021. - 312 p. - ISBN 978-5-8114-7571-1. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/162395> (date accessed: 26.06.2023);
4. Oleynikov, E. P. Military engineering training: a tutorial / E. P. Oleynikov, A. S. Timokhov. - Krasnoyarsk: SibSU named after academician M. F. Reshetnev, 2021. - 172 p. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/195175> (date accessed: 26.06.2023);
5. Araev, S. I. Military orientation on the terrain: a tutorial / S. I. Araev, R. N. Nurulin. - Moscow: MAI, 2021. - 83 p. - ISBN 978-5-4316-0853-7. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/207407> (date accessed: 26.06.2023);
6. Medical support: a teaching aid / D. A. Gruzdev, V. M. Kozyrev, A. V. Novak, E. N. Sidorenko. - St. Petersburg: SPbSUT im. M.A. Bonch-Bruевич, 2021. - 32 p. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/279629> (date accessed: 26.06.2023);
7. Bairamukov, Yu. B. Radiation, chemical and biological protection: textbook / Yu. B. Bairamukov, M. F. Anakin, V. S. Yanovich; edited by Yu. B. Torgovanov. - Krasnoyarsk: SFU, 2015. - 224 p. - ISBN 978-5-7638-3321-8. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/128746> (date accessed: 26.06.2023);
8. Bayramukov, Yu. B. Military-political training: textbook / Yu. B. Bayramukov, V. S. Yanovich, P. E. Arefiev. - Krasnoyarsk: SFU, 2020. - 364 p. - ISBN 978-5-7638-4277-7. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/181602> (date accessed: 26.06.2023);

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

1. Karayani A. G., Military Psychology in 2 Parts. Part 2, Moscow: Yurait Publishing House, 2019 (date accessed: 06/26/2023);
2. Baranov A. R., Maslak Yu. G., Yagodintsev V. I., Military topography in the service and combat activities of operational units, Moscow: Academic Project, 2016 (date of access: 06/26/2023);
3. Charter of the internal service of the Armed Forces of the Russian Federation. - 2nd, reprinted. - St. Petersburg: Lan, 2021. - 312 p. - ISBN 978-5-8114-7571-1. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/162395>(date accessed: 26.06.2023);
4. Oleynikov, E. P. Military engineering training: a tutorial / E. P. Oleynikov, A. S. Timokhovich. - Krasnoyarsk: SibSU named after academician M. F. Reshetnev, 2021. - 172 p. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/195175>(date accessed: 26.06.2023);
5. Araev, S. I. Military orientation on the terrain: a tutorial / S. I. Araev, R. N. Nurulin. - Moscow: MAI, 2021. - 83 p. - ISBN 978-5-4316-0853-7. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/207407>(date accessed: 26.06.2023);
6. Medical support: a teaching aid / D. A. Gruzdev, V. M. Kozyrev, A. V. Novak, E. N. Sidorenko. - St. Petersburg: SPbSUT im. M.A. Bonch-Bruевич, 2021. - 32 p. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/279629>(date accessed: 26.06.2023);
7. Bairamukov, Yu. B. Radiation, chemical and biological protection: textbook / Yu. B. Bairamukov, M. F. Anakin, V. S. Yanovich; edited by Yu. B. Torgovanov. - Krasnoyarsk: SFU, 2015. - 224 p. - ISBN 978-5-7638-3321-8. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/128746>(date accessed: 26.06.2023);
8. Bayramukov, Yu. B. Military-political training: textbook / Yu. B. Bayramukov, V. S. Yanovich, P. E. Arefiev. - Krasnoyarsk: SFU, 2020. - 364 p. - ISBN 978-5-7638-4277-7. - Text: electronic // Lan: electronic library system. - URL: <https://e.lanbook.com/book/181602>(date accessed: 26.06.2023);

10. LIST OF RESOURCES OF THE INFORMATION AND TELECOMMUNICATION NETWORK "INTERNET"

NECESSARY FOR MASTERING THE DISCIPLINE

To prepare for practical classes and complete 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 "Znaniy" electronic library system of the publishing house "INFRA-M" <http://znaniy.com/>
5. Electronic Library System "Student Consultant"
6. University information system "RUSSIA"
7. Full-text database POLPRED.COM
8. Russian Scientific Network
9. Electronic library system IQlib
10. Web of Science database of international scientific citation indices
11. Electronic books from the Prospect Nauki publishing house <http://prospektnauki.ru/ebooks/>

Electronic library systems:

1. EBS "SPbGUVM"
2. Electronic Library System "Law Publishing House"
3. Reference and legal system "Consultant Plus"
4. University information system "RUSSIA"
5. Full-text database POLPRED.COM
6. Scientific electronic library "INFRA-M" RU
7. Russian Scientific Network
8. Electronic library system IQlib
9. Web of Science database of international scientific citation indices
10. Full-text interdisciplinary database on agricultural and environmental sciences ProQuest

11. Electronic books from Prospect Nauki Publishing House

11. THE EDUCATIONAL PROCESS INCLUDES THE USE OF INFORMATION TECHNOLOGIES

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

11.1. SOFTWARE

LIST OF LICENSED AND FREELY DISTRIBUTED SOFTWARE, INCLUDING DOMESTIC PRODUCTION

Item No.	Name of technical and computer training aids recommended for sections and topics of the program	License
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	ConsultantPlus System	503/KL
7	Android OS	free software

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

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

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

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

Appendix 1 for 16 I

The work program was compiled by:

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

Department of Physical Education

ASSESSMENT TOOLS FUND

**current monitoring/interim assessment of students in mastering the basic
educational program of higher education, implementing the Federal State
Educational Standard of Higher Education**

by discipline

"FUNDAMENTALS OF MILITARY TRAINING"

Level of higher education

SPECIALITY

Direction of training 36.05.01 - Veterinary science

Full-time education

Start year of preparation - 2023

1. PASSPORT OF THE ASSESSMENT MEANS FUND

Table 1

N o.	Formable competencies	Controlled sections (topics) disciplines	Evaluation tool
1	UK-8 Capable of creating and maintaining 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 occurrence of emergency situations and military conflicts. ID – 1UK-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and ways of protection from emergency situations and military conflicts; the basics of life safety, emergency service phone numbers. ID – 2UK-8 To be able to identify signs, causes and conditions of emergency situations and military conflicts; to assess the likelihood of potential danger to a student and take measures to prevent it in an educational institution; to provide first aid in emergency situations.	Section 1. General military regulations of the RF Armed Forces	Interview (survey)
2		Section 2. Drill	Interview (survey)
3		Section 3. Firearms training	Interview (survey)
4		Section 4. Fundamentals of combined arms tactics	Interview (survey)
5		Section 5. Radiation, chemical and biological protection	Interview (survey)
6		Section 6. Military topography	Interview (survey)
7		Section 7. Fundamentals of medical care	Interview (survey)
8		Section 8. Military and 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 assessment tool	Presentation of the valuation 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 subject being studied, and designed to determine the extent of the student's knowledge on a specific 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 competence	Level of mastery			Evaluation tool
	unsatisfactory	satisfactorily	Fine	
• Capable of creating and maintaining safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure sustainable development of society, including in the event of a threat or occurrence of emergency situations and military conflicts (UK-8); ID – 1UK-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and ways of protection from emergency situations and military conflicts; the basics of life safety, emergency service phone numbers. ID – 2UK-8 To be able to identify signs, causes and conditions of emergency situations and military conflicts; to assess the likelihood of potential danger to a student and take measures to prevent it in an educational institution; to provide first aid in emergency situations.	Level of knowledge below minimum requirements, there were gross errors	Minimum acceptable level of knowledge, many admitted minor errors	Level of knowledge in the volume corresponding to the training program, admitted a few minor errors	Interview (survey)
			Level of knowledge in the volume corresponding to the program preparation, without errors.	

3. LIST OF TEST TASKS AND OTHER MATERIALS REQUIRED FOR ASSESSING KNOWLEDGE, ABILITIES, SKILLS AND WORK EXPERIENCE

3.1. Typical tasks for current monitoring of academic performance

3.1.1. Topics for interview (survey)

Competencies to be developed:

UK-8 Capable of creating and maintaining 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 – 1UK-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and ways of protection from emergency situations and military conflicts; the basics of life safety, emergency service phone numbers.

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

3.2.1. Questions for the first milestone assessment

1. Give a definition of combined arms combat and list its types.
2. Give a definition of the terms “Strike”, “Fire” and reveal their types.
3. Give a definition of “maneuver” and illustrate the “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 MSP and describe their purpose.
7. What is called a topographic map?
8. What is called a commander's work card?
9. Give a definition of geographic coordinates
10. Give a definition of flat rectangular coordinates.
11. Classify topographic maps by scale.
12. Provide a classification of conventional topographic signs and reveal what local objects they are used to depict.
13. List the tactical properties of the terrain and describe local objects that are characteristic of these properties.
14. Give a definition of the concept “Terrain relief” and describe the forms of relief and how it is reflected.
15. List the methods of orientation on the terrain and what their essence is.

Sample ticket for the first milestone assessment
SAINT PETERSBURG STATE UNIVERSITY OF VETERINARY
MEDICINE
Ticket No. 1

Discipline: Fundamentals of military training

1. Give a definition of 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 assessment

Competencies to be developed:

UK-8 Capable of creating and maintaining 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 – 1UK-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and ways of protection from emergency situations and military conflicts; the basics of life safety, emergency service phone numbers.

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

1. Regulatory and legal basis for the use of weapons, special means, personal and collective protective equipment.
2. Special means in service with units of the internal affairs agencies of Russia. Personal armor protection means.
3. Active defense means.
4. Means of supporting special operations.
5. Tear gas and hand gas grenades used by the internal affairs agencies of Russia.
6. Special coloring and marking agents, light-shock devices used by the internal affairs agencies of Russia.
7. Light and acoustic special means used by the internal affairs agencies and internal troops of Russia.
8. Protective equipment for the respiratory system, face and eyes (general military filter gas masks, respirators, self-contained breathing apparatus).
9. Skin protection equipment (general military protective suit, light protective suit L-1, general military complex protective suit).
10. The effect of isolating 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 agencies of Russia.
13. Safety requirements for conducting training shooting.
14. Safety requirements for shooting small arms in combat conditions.
15. The concept of the validity of shooting from firearms.
16. Hand-held grenade launchers (Russian underbarrel grenade launchers GP-25/30, hand-held anti-tank grenade launcher RPG-7, single-use hand-held anti-tank grenade launchers).
17. Hand-held offensive grenade RGD-5 (RGN).
18. Hand-held defensive grenade F-1 (RGO).

Sample ticket for the second milestone assessment
SAINT PETERSBURG STATE UNIVERSITY OF VETERINARY
MEDICINE
Ticket No. 1

Discipline: Fundamentals of military training

1. Regulatory and legal basis for the use of weapons, special means, personal and collective protective equipment.
2. Safety requirements for shooting small arms in combat conditions.

3.2.3. Questions for the test

Competencies to be developed:

UK-8 Capable of creating and maintaining 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 – 1UK-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and ways of protection from emergency situations and military conflicts; the basics of life safety, emergency service phone numbers.

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

1. Give a definition of combined arms combat and list its types.
2. Give a definition of the terms “Strike”, “Fire” and reveal their types.
3. Give a definition of “maneuver” and illustrate the “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 MSP and describe their purpose.
7. What is called a topographic map?
8. What is called a commander's work card?
9. Give a definition of geographic coordinates
10. Give a definition of flat rectangular coordinates.
11. Classify topographic maps by scale.
12. Provide a classification of conventional topographic signs and reveal what local objects they are used to depict.
13. List the tactical properties of the terrain and describe local objects that are characteristic of these properties.
14. Give a definition of the concept "Terrain relief" and describe the forms of relief and how it is reflected.
15. List the methods of orientation on the terrain and what their essence is.
16. Regulatory and legal framework for the use of weapons, special means, and personal and collective protective equipment.
17. Special means in service with units of the internal affairs agencies of Russia. Personal armor protection means.
18. Active defense means.
19. Means of supporting special operations.
20. Tear gas and hand gas grenades in service with the internal affairs agencies of Russia.
21. Special coloring and marking agents, light-shock devices used by the internal affairs agencies of Russia.
22. Light and acoustic special means used by the internal affairs agencies and internal troops of Russia.
23. Protective equipment for the respiratory system, face and eyes (general military filter gas masks, respirators, self-contained breathing apparatus).
24. Skin protection equipment (general military protective suit, light protective suit L-1, general military complex protective suit).
25. The effect of isolating suits on the human body.
26. Collective means of protection (hermetic protective structures, anti-radiation shelters, simple shelters).
27. The purpose and objectives of fire training in the system of internal affairs agencies of Russia.
28. Safety requirements for conducting training shooting.
29. Safety requirements for shooting small arms in combat conditions.
30. The concept of the validity of shooting from firearms.
31. Hand-held grenade launchers (Russian underbarrel grenade launchers GP-25/30, hand-held anti-tank grenade launcher RPG-7, single-use hand-held anti-tank grenade launchers).
32. Hand-held offensive grenade RGD-5 (RGN).
33. Hand-held defensive grenade F-1 (RGO).

Sample ticket for the test
SAINT PETERSBURG STATE UNIVERSITY OF VETERINARY
MEDICINE

Ticket No. 1

Discipline: Fundamentals of military training

1. Special means in service with units of the internal affairs agencies of Russia. Personal armor protection means.
2. The purpose and objectives of fire training in the system of internal affairs agencies of Russia.

3.3.1. Questions for ongoing monitoring

Competencies to be developed:

UK-8 Capable of creating and maintaining 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 – 1UK-8 Know the consequences of exposure to harmful and dangerous factors on the body of animals, humans and the natural environment, methods and ways of protection from emergency situations and military conflicts; the basics of life safety, emergency service phone numbers.

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

Sample test tasks

1. General military regulations:

- A) These are official regulatory documents governing service in the Armed Forces, the rights and responsibilities of military personnel;
- B) This is an official regulatory document on the organization of troops, marching and battle formations;
- B) This is a set of rules for observing the moral principles of military personnel;
- C) This is a set of rules for organizing troops.

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

- A) Constitution of the Russian Federation;
- B) Military ID;
- B) Military oath;
- D) Code of Honor of the RF Armed Forces.

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

- A) from 18 to 27 years old;
- B) from 17 to 26 years old;

- B) from 19 to 28 years old;
- C) from 18 to 23 years old.

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

- B) civil, hired, contractual;
- B) private, by agreement of the parties, border;
- C) land, naval, air force.

5. What does military discipline oblige every Russian serviceman to do:

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

6. What is military discipline:

- A) Know the Disciplinary Regulations of the Armed Forces of the Russian Federation;
- B) An established order of human behavior that meets the norms of law and morality that have developed in society;
- B) Observe the ritual of the Military Oath;
- D) Strictly adhere to the daily routine of the military unit.

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

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

8. In what cases do female citizens of the Russian Federation register for military service:

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

9. Why are the Armed Forces created and military service 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 armed means;
- D) To preserve the state's borders.

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

- A) In the Disciplinary Regulations of the RF Armed Forces;
- 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 itself against 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;

B) 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) Explosive weapons of mass destruction based on the use of light radiation resulting from the generation of a large flow of radiant energy during an explosion, including ultraviolet, visible and infrared rays;

B) Weapons of mass destruction with explosive action based on the use of intra-nuclear energy.

14. Is it possible to take shelter from a blast wave if you see a flash at a significant distance?

A) It is 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 exposed to the damaging effects of a shock wave is to take cover in a protective structure in advance;

B) Yes. A nuclear flash is visible at a great distance. Light travels instantly, and the shock wave travels the first km in two seconds, then its speed decreases.

15. How do toxic substances penetrate the human body?

A) By inhaling contaminated air;

B) From clothes, shoes and headwear;

B) When it comes into contact with skin and respiratory protection equipment.

16. Collective means of protection include:

A) gas masks;

B) respirators;

B) shelters;

D) skin protection;

D) radiation shelters (RS)

4. METHODOLOGICAL MATERIALS DETERMINING THE PROCEDURES FOR ASSESSING KNOWLEDGE, ABILITIES AND SKILLS AND EXPERIENCE OF ACTIVITIES CHARACTERIZING THE STAGES OF FORMATION OF COMPETENCIES

Criteria for assessing students' knowledge during interviews:

- **Excellent mark**- the student clearly expresses his point of view on the issues under consideration, giving relevant examples.
- Mark "good" - the student makes some mistakes in the answer
- **Mark "satisfactory"**- the student discovers gaps in knowledge of the basic educational and regulatory material.
- The grade "unsatisfactory" means that the student reveals significant gaps in their knowledge of the basic principles of the discipline.

Criteria for assessing test assignments:

- **Excellent mark**- 16 questions correct;
- Mark "good" - 14 questions correct;
- **Mark "satisfactory"**- 12 questions correct;
- "Unsatisfactory" mark - less than 12 questions correct.

Knowledge assessment criteria during the test:

- **Grade "passed"** must meet the parameters of any of the positive assessments ("excellent", "good", "satisfactory").
- The grade "fail" must correspond to the parameters of the grade "unsatisfactory".
- The mark "excellent" - all types of educational work provided by the curriculum have been completed. The student demonstrates the correspondence of knowledge, skills, abilities to the indicators given in the tables, operates with the acquired knowledge, skills, abilities, applies them in situations of increased complexity. At the same time, inaccuracies, difficulties in analytical operations, transfer of knowledge and skills to new, non-standard situations may be allowed.
- The mark "good" - all types of educational work provided by the curriculum have been completed. The student demonstrates the correspondence of knowledge, skills, abilities to the indicators given in the tables, operates with the acquired knowledge, skills, abilities, applies them in standard situations. At the same time, minor errors, inaccuracies, difficulties in analytical operations, transfer of knowledge and skills to new, non-standard situations may be allowed.
- The mark "satisfactory" - one or more types of academic work provided for by the curriculum have not been completed. The student demonstrates incomplete compliance of knowledge, skills, abilities with the indicators given in the tables, significant errors are made, a partial lack of knowledge, skills, abilities is demonstrated for a number of indicators, the student experiences significant difficulties in operating knowledge and skills when transferring them to new situations. -

•The mark "unsatisfactory" - the types of academic work provided for by the curriculum have not been completed. demonstrates incomplete compliance of knowledge, skills, abilities with those given in the tables of indicators, significant errors are made, a lack of knowledge, skills, abilities is demonstrated for 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 PERSONS WITH DISABILITIES

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

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

The procedure for assessing the learning outcomes of disabled people and individuals with limited health capabilities in a discipline involves providing information in forms adapted to the limitations of their health and perception of information:

For visually impaired persons:	- in printed form in large font. - in the form of an electronic document.
For people with hearing impairments:	- in printed form, - in the form of an electronic document.
For people with musculoskeletal disorders	- in printed form, apparatus: - in the form of an electronic document.

When conducting the procedure for assessing the learning outcomes of disabled people and people with limited health capabilities in a discipline; the following additional requirements are met depending on the individual characteristics of the students:

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

b) accessible form of providing assessment tools assignments (in printed form, in printed form in large print, in the form of an electronic document, assignments are read out by the teacher);

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

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

The procedure for assessing the learning outcomes of disabled people and individuals with limited health capabilities may be carried out using distance learning technologies.