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MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE RUSSIAN FEDERATION

Federal State Autonomous Educational Institution of Higher Education

"Moscow Polytechnic University"

APPROVE
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"27" февраля 2025

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of Economics and Management
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"_____" 2025

WORKING PROGRAM OF THE DISCIPLINE

"Basic Military Training"

Field of study
38.03.02 Management

Educational program (profile)
"Business Process Management"

Qualification (degree)
Bachelor

Form of study
Part-time

Moscow 2025

Developer(s):

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Content

1. Goals, objectives and planned learning outcomes in the discipline……..……..…4
2. The place of discipline in the structure of the educational program……4
3. Structure and content of the discipline……..…….5
3.1. Types of educational work and labor intensity……..……...5
3.2. Thematic plan for studying the discipline…….……5
3.3. Contents of the discipline…….…….6
3.4. Topics of seminars/practical and laboratory classes…….7
3.5. Subjects of course projects (coursework)……..……7
4. Educational, methodological and information support……..7
4.1. Regulatory documents and GOSTs…….……..7
4.2. Main literature…….…..7
4.3. Additional literature……..7
4.4. Electronic educational resources……...8
4.5. Licensed and freely distributed software.....8
4.6. Modern professional databases and information reference systems…….8
5. Logistics……..…..…8
6. Guidelines…….…….8
6.1. Methodological recommendations for teachers on organizing training.....8
6.2. Guidelines for students on mastering the discipline……..8
7. Fund of assessment funds……..……...10
7.1. Methods of monitoring and assessing learning outcomes……..……10
7.2. Scale and criteria for assessing learning outcomes……..……...10
7.3. Evaluation tools…….…...12

1. Goals, objectives and planned learning outcomes in the discipline

The main goals of mastering the discipline "Basic Military Training" include the following:

- Formation in students of knowledge, skills and abilities necessary for the formation of students of educational institutions of higher education as citizens capable and ready to fulfill military duty and the obligation to protect their homeland in accordance with the legislation of the Russian Federation.

The main objectives of mastering the module "Fundamentals of Military Training" include:

- Developing in students 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);
- Formation of high social consciousness and military duty among students;
- Education of discipline, high moral and psychological qualities of the individual citizen - patriot;
- Mastering basic knowledge and developing key military skills;
- Disclosure of the specifics of the activities of various categories of military personnel of the RF Armed Forces;
- Familiarization with regulatory documents in the field of state defense and military service;
- Formation of drill smartness, respectful attitude towards military rituals and traditions, military uniform;
- Study and acceptance of the rules of military courtesy;
- Mastering knowledge of statutory norms and rules of conduct for military personnel.

Training in the discipline "Basic Military Training" is aimed at developing the following competencies in students:

Code and name of competencies	Indicators of Competency Achievement
UK-8. Is 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	IUK-8.1.Analyzes and identifies factors of harmful influence on the life of elements of the environment (technical means, technological processes, materials, buildings and structures, natural and social phenomena), as well as dangerous and harmful factors within the framework of the activities carried out IUK-8.2.Understands the importance of maintaining safe working and living conditions, preserving the natural environment to ensure sustainable development of society, including the threat of dangerous or emergency situations and military conflicts IUK-8.3.Explains the rules of behavior in the event of emergencies of natural and man-made origin and military conflicts, describes ways to participate in recovery activities

2. Place of discipline in the structure of the educational program

The discipline "Basic Military Training" is one of the academic disciplines of the compulsory part of Block 1 "Disciplines (modules)" and is included in the educational program for preparing bachelors in all areas of training for all forms of study.

3. Structure and content of the discipline

The total complexity of module “Basic Military Training” is 2 credit unit(s), (72 hours).

3.1 Types of educational work and labor intensity

3.1.1. Part-time education

No.	Type of educational work	Number of hours	Semesters	
			5	
1	**Auditory lessons**	**18**	18	
	Including:			
1.1	Lectures	8	8	
1.2	Seminars/practical sessions	10	10	
1.3	Laboratory exercises			
2	**Independent work**	**54**	**54**	
	Including:			
2.1	Essay			
3	**Interim certification**			
	Test/differential test/exam	**test**	test	
	Total	**72**	72	

3.2 Thematic plan for studying the discipline

(According to forms of study)

3.2.1. Part-time education

No. p/p	Sections/topics disciplines	Labor intensity, hour					
		Total	Classroom work				Independent work
			Lectures	Seminars/ practical sessions	Laboratory exercises	Practical training	
2.1	Topic 1. General military regulations of the Armed Forces of the Russian Federation	11	1	2			8
2.2	Topic 2. Fundamentals of tactics of combined arms units	11	2	1			8
2.3	Topic 3. Radiation, chemical and biological protection	12	2	2			8
2.4	Topic 4. Military topography	11	1	2			8
2.5	Topic 5. Basics of medical care	15	1	2			12
2.6	Topic 6. Legal training and military-political training	12	1	1			10
Total		**72**	**8**	**10**			**54**

3.3 Contents of the discipline

Topic 1. General military regulations of the Armed Forces of the Russian Federation

General military regulations of the Armed Forces of the Russian Federation, their basic requirements and content.

Structure, requirements and main content of general military regulations.

Rights of military personnel. General duties of military personnel. Military ranks. Unity of command. Chiefs and subordinates. Seniors and juniors. Order and order. The order of issuance and execution of the order. Military politeness and military discipline of military personnel.

Internal order and daily outfit.

Accommodation of military personnel. Time distribution and internal order. The company's daily guard, its purpose, composition. Orderly, company duty officer. Daily guard mounting.

General provisions of the Charter of garrison and guard service.

General provisions of the Charter of garrison and guard service. Responsibilities of the guard and sentry.

Topic 2. 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.

The essence of modern combined arms combat, its characteristics and types. Methods of conducting modern combined arms combat and means of armed struggle.

Fundamentals of engineering support.

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.

Organization of military units and units, weapons, military equipment of a potential enemy.

Topic 3. Radiation, chemical and biological protection

Nuclear, chemical, biological, incendiary weapons.

Nuclear weapon. Means of their application. Damaging factors of a nuclear explosion and their impact on the human body, weapons, equipment and fortifications. Chemical weapon. Toxic substances (TS), their purpose, classification and effects on the human body. Combat conditions, means of use, signs of the use of chemical agents, their durability on the ground. Biological weapons. Main types and damaging effects. Means of use, external signs of use. Incendiary weapon. The damaging effects of incendiary weapons on personnel, weapons and military equipment, means and methods of protection against it.

Radiation, chemical and biological protection.

Goal, objectives and measures of NBC 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.

Topic 4. Military topography

Terrain as an element of the combat situation. Measurements and orientation on the ground without a map, movement along azimuths.

Terrain as an element of the combat situation. Ways to navigate the terrain without a map. Methods for measuring distances. Movement along azimuths.

Topic 5. Basics of medical care

Medical support for troops (forces), first aid for wounds, injuries and special cases.

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.

Topic 6. Legal training and military-political 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.

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.

3.4 Topics of seminars/practical and laboratory classes

3.4.1. Seminars/practical sessions

Topic 1. General military regulations of the Armed Forces of the Russian Federation
Topic 2. Fundamentals of tactics of combined arms units
Topic 3. Radiation, chemical and biological protection
Topic 4. Military topography
Topic 5. Basics of medical care
Topic 6. Legal training and military-political training

3.5 Subjects of course projects (coursework)

Not provided.

4. Educational, methodological and information support

4.1 Regulatory documents and GOSTs

1. SanPiN 2.1.3684-21 "Sanitary and epidemiological requirements for the maintenance of territories of urban and rural settlements, for water bodies, drinking water and drinking water supply, atmospheric air, soils, residential premises, operation of industrial and public premises, organization and implementation of sanitary anti-epidemic (preventive) measures."
URL: https://www.rospotrebnadzor.ru/files/news/SP2.1.3684-21_territorii.pdf

4.2 Main literature

1. Life safety: textbook [Electronic resource]. – M.: “Dashkov and Co,” 2015. – 453 p. URL:http://www.knigafund.ru/books/211914

4.3 Additional literature

1. Aizman R.I., Shirshova V.M., Shulenina N.S. Fundamentals of life safety: textbook. [Electronic resource]/R.I. Aizman, V.M. Shirshova, N.S. Shulenina. - Siberian University Publishing House, 2010. - 256 p.

URL:http://www.knigafund.ru/books/178627

4.4 Electronic educational resources

1. An electronic educational resource on the discipline is under development.

4.5 Licensed and freely distributed software

Not provided.

4.6 Modern professional databases and information reference systems

1. Consultant Plus
URL:https://www.consultant.ru/
2. Information network "Techexpert"
URL:https://cntd.ru/

5. Logistics support

Lectures are held in university-wide classrooms, where films, slides or the use of handouts are provided.

6. Guidelines

6.1 Methodological recommendations for teachers on organizing training

The main requirement for teaching the discipline is a creative, problem-based dialogue approach, which makes it possible to increase students' interest in the content of the educational material.

The main form of studying and consolidating knowledge in this discipline is lectures, laboratory and practical. The teacher must consistently read a series of lectures to students, during which they should focus on the key points of specific theoretical material, and also organize practical classes in such a way as to activate students' thinking, stimulate their independent extraction of the necessary information from various sources, comparative analysis of solution methods, comparison of the results obtained, formulation and argumentation of one's own views on many controversial issues.

The basis of training sessions in the discipline are lectures. In the process of teaching students, various types of training sessions (classroom and extracurricular) are used: lectures, seminars, laboratory work, consultations, etc. At the first lesson in this academic discipline, it is necessary to familiarize students with the procedure for studying it, reveal the place and role of the discipline in the system of sciences, its practical significance, inform students of the requirements of the department, and answer questions.

When preparing for lecture classes on the course "Life Safety", it is necessary to think over the plan for its implementation, the content of the introductory, main and final parts of the lecture, familiarize yourself with the latest educational and methodological literature, periodical publications on the topic of the lecture lesson, determine the means of logistical support for the lecture lesson and the order of their use during the lecture. Clarify the plan for conducting a practical lesson on the topic of the lecture.

During a lecture session, the teacher must name the topic, educational questions, and familiarize students with the list of basic and additional literature on the topic of the lesson.

In the introductory part of the lecture, justify the place and role of the topic being studied in the academic discipline, and reveal its practical significance. If this is not the first lecture being given,

then it is necessary to link its topic with the previous one, without violating the logic of presentation of the educational material. The lecture should begin only by clearly defining its nature, topic and range of issues that will be considered during its course.

In the main part of the lecture, the content of educational issues should be revealed; students' attention should be focused on the main categories, phenomena and processes, and the features of their occurrence. Reveal the essence and content of various points of view and scientific approaches to explaining certain phenomena and processes. You should substantiate your own position on controversial theoretical issues. Give examples. Ask rhetorical questions as the lecture material is presented and answer them yourself. This helps to activate the mental activity of students, increase their attention and interest in the lecture material and its content. The teacher should guide students' work in taking notes of lecture material, emphasizing the need to reflect in the notes the main provisions of the topic being studied, especially highlighting the categorical apparatus.

In the final part of the lecture, it is necessary to formulate general conclusions on the topic, revealing the content of all the questions posed in the lecture. Announce the plan for the next seminar or laboratory lesson; give brief recommendations on preparing students for the seminar or laboratory work. Determine the place and time of consultation for students who wish to give reports and abstracts at the seminar on current issues of the topic under discussion.

The purpose of practical and laboratory classes is to ensure control of students' assimilation of educational material, expansion and deepening of the knowledge they acquired at lectures and during independent work. Increasing the effectiveness of practical classes is achieved by establishing a creative environment that encourages students to express their own views and judgments on the issues under discussion, and the desire of students to work at the board when solving problems.

After each lecture, laboratory and practical lesson, make an appropriate entry in the students' class attendance logs; find out from the heads of study groups the reasons for students' absence from classes. Conduct group and individual consultations with students on issues that arise during their preparation for the current and intermediate certification in an academic discipline, recommend educational and other materials, as well as reference literature, to help.

The grade is assigned by the teacher and announced after the answer.

The teacher administering the test or exam is personally responsible for the correctness of the grade.

6.2 Guidelines for students on mastering the discipline

The student's work is aimed at:

- Study of theoretical material, preparation to practical classes, laboratory classes and performing practical work and laboratory work.
- Preparation and execution of testing using the general education portal
- Writing and defense of an abstract on the proposed topic

Independent work of students is the most important link in the educational process, without the proper organization of which a student cannot be a highly qualified graduate.

The student must remember that independent studies should begin from the first semester and be carried out regularly. It is very important to make every effort and willpower to force yourself to work at full capacity from the first day.

You should also not put off work due to a non-working mood or lack of inspiration. You need to create the mood yourself. Understanding the need to do work, knowing the goal, and understanding the prospects have a beneficial effect on mood.

Each student must plan his own independent work, based on his capabilities and priorities. This stimulates the completion of work, creates a calmer environment, which ultimately has a positive effect on the assimilation of the material.

It is important to take more fully into account the circumstances of your work, to understand what is most important at this stage, what sequence of work to choose in order to complete it better and with the least amount of time and energy.

For fruitful work, the environment and organization of the workplace are of no small importance. It is necessary to ensure that the place of work is as permanent as possible. Working in a familiar place makes it more fruitful. Work productivity depends on the correct alternation of work and rest. Therefore, every hour or two you should take a break for 10-15 minutes. It is better to devote weekends to active recreation, sports, walks in the fresh air, etc. Even switching from one type of mental work to another can serve as active recreation.

The student must remember that in the learning process the most important role is played by independent work with the book. Learning to work with a book is the most important task for a student. Without this skill, it will be extremely difficult to study program material, and a lot of time will be wasted. Working with a book consists of the ability to select the necessary books, understand them, take notes, select the main thing, assimilate and apply in practice.

7. Appraisal Fund

7.1 Methods for monitoring and assessing learning outcomes

Before the date of the intermediate certification, the student must complete all the work provided for in this work program of the discipline. The list of required works and the reporting form are presented in the table.

List of mandatory work performed during the semester in the discipline “Basic Military Training”

Type of work	Reporting and monitoring form
Essay	Submit one essay on a chosen topic with the teacher’s grade “passed” if one essay is presented in the form of a presentation and on paper.
Testing	The teacher’s grade is “passed” if the test result on the scale (Appendix B) is more than 41%.

7.2 Scale and criteria for assessing learning outcomes

7.2.1. Abstract grading scale

Grading scale	Description
Excellent	All requirements for writing and defending an abstract have been met: the problem is identified and its relevance is justified, a brief analysis of various points of view on the problem under consideration is made and one’s own position is logically presented, conclusions are formulated, the topic is fully disclosed, the volume is maintained, the requirements for external design are met, the correct answers are given for additional questions.
Good	The basic requirements for the abstract and its defense have been met, but there are some shortcomings. In particular, there are inaccuracies in the presentation of the material; there is no logical consistency in

	judgments; the volume of the abstract is not maintained; there are omissions in design; Incomplete answers were given to additional questions during the defense.
Satisfactory	There are significant deviations from the abstracting requirements. In particular, the topic is only partially covered; there were factual mistakes in the content of the abstract or in answering additional questions; There is no output during protection.
Unsatisfactory	The topic of the abstract is not disclosed; a significant misunderstanding of the problem is revealed.

7.2.2. Test grading scale

The test result is assessed on a percentage rating scale.

Grade	Number of correct answers
Excellent	from 81% to 100%
Good	from 61% to 80%
Satisfactory	from 41% to 60%
Unsatisfactory	40% or less correct answers

7.2.2. Description of indicators and criteria for assessing competencies formed based on the results of mastering the discipline (module), description of assessment scales.

An indicator for assessing competencies at various stages of their formation is the achievement by students of the planned learning outcomes in the discipline (module).

Index	**Not accepted**	**passed**
To know: factors of harmful influence on the life of elements of the environment (technical means, technological processes, materials, buildings and structures, natural and social phenomena), as well as dangerous and harmful factors within the framework of the activities carried out	The student demonstrates a complete absence or insufficient compliance of the following knowledge: factors of harmful influence on the life of elements of the living environment (technical means, technological processes, materials, buildings and structures, natural and social phenomena), as well as dangerous and harmful factors within the framework of the activities carried out.	The student demonstrates full compliance with the following knowledge: factors of harmful influence on the life of elements of the living environment (technical means, technological processes, materials, buildings and structures, natural and social phenomena), as well as dangerous and harmful factors within the framework of the activities carried out, freely operates with acquired knowledge.

<u>To</u> be able to: apply methods of maintaining safe working and living conditions, preserving the natural environment to ensure sustainable development of society, including in the event of the threat of dangerous or emergency situations and military conflicts	The student does not know how or is insufficiently able to apply methods of maintaining safe working and living conditions, preserving the natural environment to ensure sustainable development of society, including in the event of the threat of dangerous or emergency situations.	The student demonstrates full compliance with the following skills: apply methods of maintaining safe working and living conditions, preserving the natural environment to ensure sustainable development of society, including in the event of the threat of dangerous or emergency situations.
<u>To possess:</u> - skills in explaining the rules of behavior in the event of emergencies of natural and man-made origin and military conflicts, describing ways to participate in recovery activities	The student does not have or does not have enough skills to explain the rules of behavior in the event of emergencies of natural and man-made origin and military conflicts, and to describe ways of participating in recovery activities.	The student is fully proficient in explaining the rules of behavior in the event of emergencies of natural and man-made origin and military conflicts, and describing ways to participate in recovery activities.

7.3 Evaluation tools

7.3.1. Current control

7.3.1.1. Topics of essays on the discipline “Basic Military Training”

1. The history of the development of military communications
2. The history of military training in Russia: from the origins to the present
3. The role of patriotic education in military training
4. Fundamentals of drill: commands and their meaning
5. Tactical training: types of movement in the field
6. Fire training: rules for handling weapons
7. Medical training: first aid on the battlefield
8. Topographic training: reading military maps
9. Security of military service: basic principles
10. Military uniform and its significance in various conditions
11. The role of physical fitness in military affairs
12. Fundamentals of radiation, chemical and biological protection
13. Military ethics and regulations of the Armed Forces of the Russian Federation
14. Features of military service in peacetime
15. The role of women in the Russian Armed Forces
16. The history of the development of military equipment
17. Fundamentals of military topography

18. Military professions: a brief overview
19. The importance of cadet corps in patriotic education
20. Military schools: requirements for applicants
21. The role of military intelligence in modern conflicts
22. Fundamentals of military logistics
23. Psychological training of military personnel
24. Military traditions of the peoples of Russia
25. The history of Russian military awards
26. The role of the military police in the army
27. Fundamentals of military geography
28. Military aspects of cybersecurity
29. The history of military fortifications
30. The role of military aviation in modern operations
31. Fundamentals of naval training
32. Military aspects of international law
33. The history of military parades in Russia
34. The role of sapper troops in combat operations
35. Fundamentals of military meteorology
36. Military aspects of ecology
37. The history of military medicine
38. The role of military intelligence in the Great Patriotic War
39. Fundamentals of Military Cryptography
40. Military aspects of aerodynamics
41. The history of military uniforms
42. The role of military propaganda in wars
43. Fundamentals of military robotics
44. Military aspects of geopolitics
45. History of military engineering structures
46. The role of military counterintelligence
47. Fundamentals of military hydrology
48. Military aspects of energy security

7.3.1.2. Example of test tasks:

1. What does the command "ATTENTION" mean according to the Military Regulations of the Armed Forces of the Russian Federation?

a) Stop talking and stand still.
b) Take a military stance and do not move.
c) Join the ranks next to the senior officer.
d) Prepare to receive an order or command.

2. What is the main purpose of a trench for prone shooting?

a) Long-term residence of personnel in conditions of positional defense.
b) Observing the enemy and firing from a prone position.
c) Storage of ammunition and weapons protected from fragments and bullets.
d) Shelter from artillery and mortar fire.

3. Which of the listed persons has the right to order the use of weapons by military personnel on guard duty to repel an attack on a protected object?

a) Duty officer in a military unit.
b) The head of the guard.

c) The guard (sentry) independently, in accordance with the Regulations of the garrison and guard services.

d) The commander of the company to which the guard belongs.

7.3.2. Interim certification

7.3.2.1. Question for testing on the discipline "Basic Military Training"

1. General military regulations of the Armed Forces of the Russian Federation, their basic requirements and content.
2. Rights of military personnel. General duties of military personnel.
3. Military ranks. Unity of command. Chiefs and subordinates. Seniors and juniors. Order and order.
4. The order of issuance and execution of the order. Military politeness and military discipline of military personnel.
5. Internal order and daily outfit.
6. Accommodation of military personnel. Time distribution and internal order. The company's daily guard, its purpose, composition.
7. Orderly, company duty officer. Daily guard mounting.
8. Fundamentals of tactics of combined arms units.
9. 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.
10. Tactical and technical characteristics of the main types of weapons and equipment of the RF Armed Forces.
11. Fundamentals of combined arms combat.
12. The essence of modern combined arms combat, its characteristics and types. Methods of conducting modern combined arms combat and means of armed struggle.
13. Fundamentals of engineering support.
14. 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.
15. Organization of military units and units, weapons, military equipment of a potential enemy.
16. Nuclear, chemical, biological, incendiary weapons.
17. Nuclear weapon. Means of their application. Damaging factors of a nuclear explosion and their impact on the human body, weapons, equipment and fortifications.
18. Chemical weapon. Toxic substances (TS), their purpose, classification and effects on the human body. Combat conditions, means of use, signs of the use of chemical agents, their durability on the ground.
19. Biological weapons. Main types and damaging effects. Means of use, external signs of use. Incendiary weapon. The damaging effects of incendiary weapons on personnel, weapons and military equipment, means and methods of protection against it.
20. Goal, objectives and measures of NBC 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.
21. Personal protective equipment and the procedure for their use. Fitting and technical testing of personal protective equipment.
22. Terrain as an element of the combat situation. Measurements and orientation on the ground without a map, movement along azimuths.

23. Terrain as an element of the combat situation. Ways to navigate the terrain without a map. Methods for measuring distances. Movement along azimuths.

24. Topographic maps and their reading, preparation for work. Determination of object coordinates and target designation on the map.

25. Geometric essence, classification and purpose of topographic maps. Determination of geographic and rectangular coordinates of objects on the map. Target designation on the map.

26. Medical support for troops (forces), first aid for wounds, injuries and special cases.

27. Medical support - as a type of comprehensive support for troops. Responsibilities and equipment of tactical medical service officials in combat.

28. General rules for self-help and mutual assistance. First aid for wounds and injuries.

29. First aid for injuries caused by toxic substances or bacteriological agents. Contents of first aid measures.

30. Military-political training

31. Russia in the modern world. The main directions of socio-economic, political and military-technical development of the country.

32. 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.

33. Goals, objectives, directions and forms of military-political work in the unit, requirements of governing documents.

34. Military doctrine of the Russian Federation. Legislation of the Russian Federation on military service.

35. 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.