

EDUCATIONAL PROGRAM

"6B01401 PREPARATION OF TEACHERS OF INITIAL MILITARY PREPARATION»

Code and classification of education: 6B01 Pedagogical sciences

Code and classification of areas of training: 6B01401 Preparation of teachers of initial military preparation

Awarded academic degree: Bachelor of Education in the educational program
6B01401 Preparation of teachers of initial military preparation

Type of program: Bachelor, 6 level NRK / ORC / MMSE

Total credits: 240 Academic credits / 240 ECTS

Shymkent, 2022

**MINISTRY OF SCIENCE AND HIGHER EDUCATION
OF THE REPUBLIC OF KAZAKHSTAN**

**SOUTH KAZAKHSTAN STATE
PEDAGOGICAL UNIVERSITY**



**Rector of South Kazakhstan
State Pedagogical University PhD,
Associate Professor**

_____ **G. D. Sugirbayeva**

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Educational program discussed at the meeting of the Board of the Faculty of physical education and sport for approval by the Academic Council of the University. Protocol number from " " 201 y.

The educational program approved by the Academic Council and put into effect.

Protocol № from « » 201 y.

Agreed:

Vice-Rector for Academic Affairs _____ Kudysheva A. A.

Head of the Academic Affairs Department _____ Berdaliev D.T.

Dean of the faculty of physical culture and sports _____ Turuskalov W. J.

Methodist primary military and technological preparation of the Department of Education of Shymkent _____ Nuskabaev B.

Director of secondary school No. 5 named after M. Musa _____ Mamadyarova K. S.

Headmaster School №7 named K.Spataeva _____ Almahankyzy R.

Director of the school-gymnasium No. 26 named after Zhambula _____ Kaikenova G. Zh.

Director of secondary school No. 62 named after N. Turekulov _____ Bimuratova A. A.

Director of secondary school No. 72 named after S.Nurmagambetov _____ Usmanov B.N.

The Working Group on the development of the educational program

| № | Full name | Position | Contact phone |
|----|-------------------------------------|---|-------------------------|
| 1 | Shegenbayev Nurkasym Beisenbayevich | KSPU, Head of the Department of Initial Military Training and Physical Culture, Doctor of Philosophy (PHD), Shymkent | 87017495786 |
| 2 | Kadyrbaev Zhomart | KSPU, Senior Lecturer of the Department of Primary Military Training and Physical Culture, Shymkent | 87779165876 |
| 3 | Kulseitov Meldebuch | KSPU, Senior Lecturer of the Department of Primary Military Training and Physical Culture, Shymkent | 87713288677 |
| 4 | Rakyshev Askar | Teacher-organizer of primary military and technological training of secondary school No. 5 named after M. Musa | 50-05-76 |
| 5 | Doszhan Sergeant | Teacher-organizer of primary military and technological training of the school-Lyceum No. 7 named after K. Spataev | 87713282368 |
| 6 | Tiles Nurdaulet | Teacher-organizer of the primary military and technological training of the gymnasium school No. 26 named after Zh. Zhabaev | 87058477431 31-80-80 |
| 7 | Duisebaev Baurzhan | Teacher-organizer of primary military and technological training of secondary schools № 62 names N. Turekulov | 8 7778472515 |
| 8 | Aldibekov Eldar Yermekuly | Teacher-organizer of primary military and technological training of secondary school No. 72 named after S.Nurmagambetov | 8 771 567 0000 |
| 9 | Makhanova Gulnar Satzhankyzy | SKSPU, Shymkent, the student study groups 1401-19 | 8-771 660 13 19 |
| 10 | Kudaibergen Zhadyra Muratkyzy | SKSPU, Shymkent, the student study groups 1401-19 | 8-777 098 28 04 |

experts

| № | Full name | Position | Contact phone |
|---|------------------|---|---------------|
| 1 | Clara Bazarbaeva | Cand. Ped. Sciences, associate Professor of the Department of Physical culture and sports of the Eurasian National University, Astana | 87785237650 |
| 2 | Taskaev Dauren | associate Professor of the Department of social and humanitarian disciplines of Moscow state University, Astana | 87013657372 |

Abbreviations:

NQF - National Qualifications Framework

IQF - Industry Qualifications Framework

ISCE - International Standard Classification of Education

EP - Educational Program

WC - Working curriculum

PED - Product elective disciplines

KC - Key competencies

LO - Learning Outcomes

ICT - Information and communication technologies

LC - Landmark control

CC – Current control

FG - The final grade

GED - General educational disciplines

BD - Basic disciplines

SD - Specialized disciplines

BMT -basic military and technological preparation

AF RK - Armed forces of the Republic of Kazakhstan

SVD - Dragunov Sniper rifle

GO - Civil defense

IMTT- Initial military technological training

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INTRODUCTION

This educational program (hereinafter - EP) is a normative document of a conceptual nature, based on the goals and values of university education, containing general information about the professional activities of graduates, aims and objectives of EP of competence graduate model, the expected learning outcomes and policies of their evaluation of methods and methods of organization of educational process on the content of the program.

The main directions of EP:

- implementation of the educational policy of the University;
- implementation of trilingual education through the organization of educational process in the Kazakh, Russian and English languages;
- improving the quality of the learning process on the basis of competence approach;
- the willingness of students to educate themselves throughout their lives;
- formation of the outlook of students, develop their creativity, communication, critical thinking, research and information capabilities.

EP is the basis for the development of the following documents:

- Catalog elective subjects (CES);
- Academic calendar of the educational process;
- Individual educational plan (IEP);
- Working curriculum (WC);
- Working curriculum subjects (SYLLABUS);
- Teaching materials disciplines (TMD);
- expected results in the disciplines of learning;
- criteria for assessing the results of training in the disciplines;
- organizing all kinds of professional practice, as well as other documents necessary for the educational process.

1 SHEET OF THE EDUCATIONAL PROGRAM

1.1 Scope of professional activity of graduates

Bachelor of Education OP " Training teachers of basic military training" carries out his professional activities in the field of education.

1.2 The objects of professional activity of graduates:

- basic and specialized schools;
- specialized schools;
- the organization of technical and vocational post-secondary education.

1.3 Types of professional activity of graduates:

- training;
- educative;
- methodical;
- research;
- social and communicative.

1.4 Objectives of professional activity of graduates

Training:

- training and development of students;
- the organization of educational process in professional activities;
- design and management of the pedagogical process;
- diagnosis, correction and prediction of the results of educational activities.

Educative:

- the involvement of students in the system of social values;
- implementation of educational work in accordance with the laws, the laws, the principles of the educational process, educational mechanisms;
- planning extracurricular educational work;
- addressing specific educational objectives;
- the use of various forms and methods of training and education of students in extracurricular activities;
- liaising with groups of students, subject teachers and parents.

Methodical:

- implementation of methodological support of the educational process;
- planning the content of education at different levels;
- identification of methods for the organization and implementation of the educational process;
- the use of new educational technologies in the learning process.

Research:

- the study of the level of assimilation of the content of education, the study of the educational environment;
- the development of scientific and methodical literature;
- analysis and generalization of the advanced pedagogical experience in the field of education;
- conducting of pedagogical experiment, the introduction of its results in the educational process.

Social and communicative:

- the implementation of cooperation with the professional community and all interested education stakeholders;
- the formation of a multicultural identity;

- creation of favorable conditions for education and development of students and provide them with educational support.

2 SOFTWARE FEATURES OF EDUCATIONAL

Subdivision of higher education, «6B01401 Preparation of teachers of initial military preparation» was developed in accordance with the European Qualifications Framework, National Qualifications Framework, the Dublin descriptors, Industry frame of qualifications, professional teacher standards to meet the requirements of the regional labor market and employers.

OP determines goals, expected results, conditions and techniques of the educational process, the realization of quality assessment preparation graduate in this area, the contents of the working curriculum.

3 PURPOSE AND VALUES EDUCATION PROGRAM

3.1 The purpose and objectives of the educational program

The main objective of OP is defined in accordance with the objectives of the Strategic Plan and the development of the University's mission.

Purpose of the Educational Program: Training of primary military training teacher in accordance with the requirements of the labor market and the National qualification system.

Tasks of the educational program:

- formation of core competencies needed for effective implementation of the professional activities of students;
- the formation of social responsibility training based on interpersonal values and professional ethics;
- bringing the level of quality of education in line with the requirements of national and international standards on the basis of motivation of training to professional development, self-realization;
- the formation of students' professional knowledge and practical skills based on the updated content of education;
- providing training of highly educated professionals who are actively involved in the modernization of society on the basis of language trinity, functional literacy, healthy lifestyle.

3.2 Values of the Educational Program

The core values defined in the contents of EP:

- ❖ Kazakhstan patriotism and civic responsibility;
- ❖ honesty;
- ❖ respect;
- ❖ cooperation;
- ❖ openness.

4 GRADUATE MODEL

Core competencies that make up the graduate competence model:

1. Subject knowledge: has a deep and complete understanding of their subject area, applies knowledge in professional activities
2. Organizational and methodological skills: uses innovative technologies in planning, organization and management of professional activities, shows critical thinking and creativity in solving complex problems.

3. Research skills: conducts scientific and methodological work, introduces students to research work.
4. Leadership and entrepreneurial skills: able to work in a team, is active in the process of renewal of society.
5. Cultural competence: has the ability to be a cultural and tolerant citizen of his country.
6. The ability to learn throughout life: coordinating their talents and interests in accordance with the needs of society.
7. Information skills: understands the essence of the information society, uses ICT in professional activities.

5 EXPECTED RESULTS training on educational programs

Learning outcomes of OP: Upon successful completion of this OP student must:

- **LO1** – demonstrate knowledge and understanding of basic military and technological training based on substantive ideas;
- **LO2** – apply knowledge in practice, based on the system thinking and critical approach in the conclusions of military action, evidence and statements on the initial military and technological training, solving tactical problems;
- **LO3** – analyze ways of solving problems based on the use of modeling in professional, scientific research and academic writing skills;
- **LO4** – to argue the role and importance of military training in real life and in the system of Sciences;
- **LO5** – organize the educational process in accordance with the personal interests of the student using ICT in the training of primary military and technological training;
- **LO6** – apply innovative technologies in accordance with the goals and objectives of training and individual characteristics of students;
- **LO7** – use the technology of criteria-based assessment, diagnosis, development of short-term curricula;
- **LO8** – demonstrate communicativeness in interpersonal communication, teamwork skills, information culture, principles and culture of academic honesty;
- **LO9** – to integrate interdisciplinary knowledge in the formation of personal development of students in learning throughout life;
- **LO10**- to assess the creativity of solutions to the problems arising in the application of technology in conflict situations.

6 POLICY ASSESSMENT OF EDUCATIONAL ACHIEVEMENT

Assessment of learning outcomes of students carried out various forms of current, boundary control, as well as interim and / or final certification, determined by the University. Evaluation is carried out in accordance with Table 1 by score-rating letter system.

Ongoing monitoring of learning outcomes is performed on each subject discipline during the classroom and extracurricular activities.

The conformity of the learning outcomes and assessment methods

| Learning outcome | Evaluation method |
|----------------------|--------------------------------------|
| LO 1,2,3,4,5,6,7,8,9 | Activity in the classroom |
| LO 2,4,8 | Essay |
| LO 2,5,7 | Group presentation |
| LO 2,7,10 | Project preparation (group work) |
| LO 2,3,4,5,7,9,10 | Tasks in practical and creative work |
| LO 6,8 | Portfolio |
| LO 3,6,8,9 | A report on the practice |
| LO 1-10 | The final intermediate control |
| LO 1-10 | Final certification |

The tasks of the SRS and the requirements for their implementation and evaluation criteria are included in the system "University".

The intermediate certification of students includes all questions of the topics of lectures, laboratory work and homework. Control questions are entered into the system "University".

Weeks of summing up the results of the current control: 5th, 10th and 15th weeks

Final exam: during the examination session

The share of knowledge assessment: current control (CC) - 60%, final exam (E) - 40%

The results of the interim certification are calculated according to the formula given below:

Current price1 (TC1) ≤ 100; current price2 (CC2) ≤ 100; current price3 (CC3) ≤ 100

Exam (E) ≤ 100

Final score (IO) = 0.2*(CC1+ CC2+CC3)+0.4 * E

Note: students who have fully paid for their studies, attended classes over 70%, are not on academic leave or on long-term treatment, who have scored a passing score of current and boundary control (passing score 0.2*(CC1+ CC2+CC3) are allowed to attend the session ≥ 30 points).

Attention: retaking a positive assessment of the final control in order to improve at this stage of the examination session is not allowed.

Upon receiving the grade "FX " "unsatisfactory", it is allowed to retake the final control no more than once in accordance with the academic calendar of the university without re-passing the discipline program.

Upon receiving the "unsatisfactory" grade corresponding to the "F" mark, the student is re-enrolled in this academic discipline, participates in all types of training sessions, performs all types of educational work in accordance with the program and passes the final control.

the traditional rating scale and ECTS

| Evaluation of letter system | Digital equivalent | Points (% bonus content) | Evaluation of traditional system |
|-----------------------------|--------------------|--------------------------|----------------------------------|
| A | 4.0 | 95-100 | Excellent |
| A- | 3.67 | 90-94 | |
| B+ | 3.33 | 85-89 | Good |
| B | 3.0 | 80-84 | |
| B- | 2.67 | 75-79 | |
| C+ | 2.33 | 70-74 | |
| C | 2.0 | 65-69 | satisfactorily |
| C- | 1.67 | 60-64 | |
| D+ | 1.33 | 55-59 | |
| D- | 1.0 | 50-54 | |
| FX | 0.5 | 25-49 | unsatisfactorily |
| F | 0 | 0-24 | |

7 WAYS AND METHODS OF ORGANIZATION OF EDUCATIONAL PROCESS

Organization of educational process is carried out on credit technology based on the choice of studying the discipline, order the development of disciplines and modules.

Tasks of the organization of educational process:

- unification of knowledge;
- creation of conditions for maximum individualization of instruction;
- strengthening the role and effectiveness of independent work of students;
- Identification of educational achievements of students on the basis of an efficient and transparent procedures for their control.

Training opportunities on credit technology:

- the introduction of academic credits system to assess the labor costs of students and teachers in each discipline;
- participate in the formation of the individual curriculum;
- the choice of subjects and modules in the catalog of elective courses;
- the freedom to choose teacher training;
- the choice of an educational path with the help of student advisors;
- the use of interactive teaching methods;
- academic freedom in the formation of educational programs;
- providing of training necessary teaching and learning materials;
- the use of effective methods of control of educational achievements of students;
- the use of score-rating system of evaluation of educational achievements of each discipline, and other forms of self-study.

The methods and technologies of training:

- ❖ reflexive techniques considered as a central object of study;
- ❖ competence-based approach to learning;
- ❖ role-playing games;
- ❖ educational discussions;
- ❖ Case Study;
- ❖ design methods;
- ❖ inverted learning;

❖ gamification.

Types of methods and technologies of training to choose the teachers themselves.

Integrated training makes it possible to conduct classes with extensive use of interdisciplinary connections. An integrated approach in the teaching of initial military and technological training is necessary for the formation of a holistic worldview and worldview, unification and mutual influence of educational and research practice of students.

The research practice is aimed at expanding the theoretical and practical knowledge acquired by students in the learning process, acquiring and improving practical skills.

Tasks for the development of students' research skills:

- ability to see problems;
- the ability to put forward hypotheses;
- ability to ask questions;
- ability to define concepts;
- ability to classify.

Teaching methods that allow to achieve the expected learning outcomes in the EP

| Methods for achieving learning outcomes | Learning outcome | | | | | | | | | |
|---|------------------|------|------|------|------|------|------|------|------|-------|
| | LO 1 | LO 2 | LO 3 | LO 4 | LO 5 | LO 6 | LO 7 | LO 8 | LO 9 | LO 10 |
| Lecture | + | | + | | | | | | + | |
| Seminar | + | + | + | + | + | + | + | | | |
| Design method | + | + | + | + | + | | | | + | + |
| Case study | | + | + | + | | + | | | | + |
| Debate | + | + | + | | + | | + | + | + | |
| Socratic method | | | | | + | | | + | + | + |
| Game technology | | | | + | + | + | + | + | | + |
| Training method | | | | + | + | + | + | + | | + |

internal quality assurance system educational activities aimed at improving the quality of educational services is determined by:

- policy in the field of quality assurance;
- development and approval of ongoing educational programs;
- student-oriented learning, teaching and assessment;
- admission of students, academic performance, recognition and certification;
- teaching staff;
- training resources and support training systems;
- information management;
- informing the public;
- continuous monitoring and periodic program evaluation;
- periodic external quality assurance.

Professional practice

Professional practice is a required component of study the student.

In accordance with the specific OP organizes the following practices:

- training;
- language (voice);

- teaching;
- Production;
- pre-diploma.

The purpose of the training practice - the acquisition of primary professional competences, including the consolidation and deepening of theoretical knowledge acquired during the training, laying the foundations of research, paperwork and working with business correspondence, acquisition of practical skills and work skills.

Teaching practice is organized for all students, is conducted in accordance with the characteristics and direction of the OP, is considered at a meeting of the department and is reflected in the program of practice.

The purpose of language practice is the formation of students' skills of interpretation and translation, business communication skills and networking, including native speakers.

Language practice is conducted for students engaged in training with knowledge of languages, in English and of multilingual groups.

The purpose of teaching practice - consolidation and deepening of knowledge of general scientific, cultural, psychological and pedagogical, methodical and special disciplines, as well as the formation on the basis of theoretical knowledge of pedagogical skills and competences.

Internship held in institutions, organizations and enterprises, relevant profile training of students.

Undergraduate practice carried out on senior year for students who perform graduate work. Manual pre-diploma practical exercises supervisor of the thesis.

8 CONTENT OF THE EDUCATIONAL PROGRAM

8.1 Compliance of learning outcomes with the model of the graduate

The results of training determine the competence of students, formed after the completion of PAYMENT.

Matrix of correlation of learning outcomes on OP as a whole with the graduate model

| | LO1 | LO2 | LO3 | LO4 | LO5 | LO6 | LO7 | LO8 | LO9 | LO10 |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| KC 1 | | | + | | | | | + | + | + |
| KC 2 | | | | | | | | + | + | |
| KC 3 | | | + | | + | + | + | + | | + |
| KC 4 | | | + | + | | + | | + | + | |
| KC 5 | + | + | + | + | + | + | + | | | |
| KC 6 | + | + | + | + | | | | + | + | + |
| KC 7 | | + | | | + | | | + | | |

8.2 Information about the modules

| № | Name module | learning Outcomes | constituents of module | Short description module | Cycle | Num ber of loans | The elements of the model of a graduate |
|---|--------------------------|---|---|--|-------|------------------|---|
| 1 | General subjects (GS 01) | <p>ROM1 – to evaluate the surrounding reality on the basis of worldview principles.</p> <p>ROM2 – show a civil position.</p> <p>ROM3 – use methods of scientific cognition.</p> <p>ROM 4- assess situations of social and professional interpersonal communication.</p> <p>ROM5 – to solve problems arising in professional communication.</p> <p>ROM6 – interpret your thoughts in oral and written speech with the help of linguistic means</p> <p>ROM7 – to use ICT in professional activity.</p> <p>ROM8 – apply methods and means of physical culture as the basis of a healthy lifestyle.</p> | <p>History of Kazakhstan</p> <p>Philosophy</p> <p>Socio-political science education</p> <p>1. Cultural Studies, Psychology</p> <p>2. Sociology, Political Science</p> <p>Methods of scientific research</p> <p>Fundamentals of Law and Anti-corruption Culture, Fundamentals of Economics and Entrepreneurship, Ecology and Life Safety.</p> <p>Kazakh (Russian) language</p> <p>Foreign language</p> <p>7. Information and communication technologies</p> <p>8. Physical culture</p> | <p>The module actively participates in the formation of the worldview, civil and moral position of the future specialist, modernization of the Kazakh society, in the creation of competitive communication programs in Kazakh, Russian and foreign languages based on the development of information and communication technologies, in the formation of a healthy lifestyle, self-improvement, success and adaptation to the professional level, uses modeling in professional scientific research. to substantiate the role and place in the system of economics, the foundations of economics and entrepreneurship, the formation of the foundations of an anti-corruption culture and the principles of academic integrity, professional skills in the field of ecology and life safety, as well as entrepreneurial skills, leadership, innovation acceptance skills.</p> | GED | 56 | KC1, KC2, KC7 |

| | | | | | | | |
|---|--|--|--|--|----|----|------------------|
| 2 | Pedagogical and psychological training (PPP02) | <p>ROM1 – choose the methodology of pedagogical analysis.</p> <p>ROM2 – summarize the results of the study.</p> <p>ROM3 – to apply psychological and pedagogical knowledge in new conditions.</p> <p>ROM4 – to use the domestic and foreign experience of educational work</p> <p>ROM5 – the ability to work in a team on the use of effective methods and conducting modern tactics of combat actions.</p> <p>ROM6 – to solve problems related to the age-related development of students.</p> <p>ROM7 – to put into practice methods of teaching and educating children with special educational needs.</p> | <p>Physiological development of schoolchildren</p> <p>Age psychology</p> <p>Pedagogy and methods of educational work</p> | <p>The module considers: the nature, the anatomical-physiological, psychological characteristics of children and adolescents, aspects of identity formation on the basis of preservation and strengthening of health; topical issues of methodology, stages of development of pedagogical science, the concept of a holistic educational process; methods, forms and means of educational work in modern pedagogy; fastening and deepening of knowledge on General scientific, culturological, psychological and pedagogical, methodological and specialisation disciplines, as well as the formation on the basis of theoretical knowledge and pedagogical skills and competencies.</p> | BD | 12 | KC3, KC 4 |
| 3 | Methodical preparation (IMVP03) | <p>ROM1 –to use initial military and technological training based on systematic thinking and a critical approach to the methods and methods of teaching reading according to the updated program.</p> | <p>Methods of teaching tactical training</p> <p>Modern assessment technologies</p> <p>Innovative technologies of primary military and technological training</p> | <p>The module is based on a comparison of students' educational achievements, methods of teaching the nature of modern combined arms combat, criteria in accordance with a certain content and purpose of knowledge, methods, techniques for innovative technologies of teaching initial military and technological</p> | PD | 26 | KC 3, KC 5, KC 4 |

| | | | | | | | |
|---|--------------------------------|---|--|--|-----------|-----------|------------|
| | | <p>ROM2 –to use innovative technologies in teaching the basics of military service.</p> <p>ROM3 –apply knowledge about the device and mechanisms of weapons, their combat properties, and methods of firing with the use of criteria assessment.</p> <p>ROM4 – Demonstrate the skills of conducting methods and methods of teaching combat tactics.</p> <p>ROM5 – the ability to work in a team on the use of effective methods of conducting modern tactics of combat actions.</p> | <p>The use of computer technology in teaching basic military and technological training</p> <p>Methods of teaching military sports games and complexes</p> | <p>training, didactic foundations of the methodology of using computer-based learning tools, explaining the requirements for improving the material base of educational institutions and improving patriotic qualities.</p> | | | |
| 4 | Professional practice (P P 04) | <p>ROM1-in the reporting documentation indicates the results of the analysis of educational activities, summarizes the didactic material.</p> <p>ROM2-plans classes in primary military training subjects. synyp okushylarynyn zheke is kuzhattarymen tanysyp,</p> | <p>Educational practice</p> <p>Psychological and pedagogical practice</p> <p>Pedagogical practice (basic)</p> <p>Pedagogical practice (in-depth)</p> | <p>The module examines the further improvement of knowledge and skills acquired in military subjects of military training of students; pedagogical and psychological practical training of future teachers in accordance with the educational program, profession; occupation of the position of the teacher-organizer of the school's</p> | PD | 25 | KC 2, KC 5 |

kyzmettik nuskauy zhane onyn zhumystaryna taldau zhasaidy.
ROM3 - gets acquainted with the documents of the personal file of students, evaluates official duties and analyzes its activities.
ROM4-conducts work on the military-patriotic education of the assigned class, summarizes the results of extracurricular work.
ROM5-gets acquainted with the internal regulations of the school, with students about the directions of educational work in a modern school and the personal affairs of the subject teacher, school students.
ROM6-conducts extracurricular educational hours with students together with a subject teacher (attending lessons, teaching, questioning, conversation) according to the plan
ROM7 gives a psychological description of the class and an individual student and summarizes the report on pedagogical practice.
MON8-analyzes statistical data and practical material on the topic of the thesis research.

Pre-graduate practice

NVP, class teacher; knowledge of the pedagogical experience of the teacher's professional activity; familiarity with the system of principles of scientific research and research methods.

| | | | | | | | |
|---|---------------------------------------|--|---|--|----|----|------------|
| 5 | Fundamentals of Military Law (ORP 04) | <p>ROM1 – apply knowledge of the basics of vehicle management and driving safety, in difficult road conditions.</p> <p>ROM 2- assess the role of the Air Force in ensuring national security, based on understanding and scientific analysis of military training.</p> <p>ROM3 – to determine the integration of knowledge in the Armed Forces of the Republic of Kazakhstan according to the requirements of military laws and regulations.</p> <p>ROM 4 - assess changes in the policy of ensuring military security in the context of international transformations taking place around the world.</p> <p>ROM5 – analyze and evaluate solutions to problems in the professional sphere in order to improve the professional level of performing military service duties by military personnel.</p> | <p>Technological preparation</p> <hr/> <p>Introduction to the specialty initial military and technological training</p> <hr/> <p>Military legislation.</p> <hr/> <p>Fundamentals of social protection of military personnel</p> | <p>The study of this module assumes: the development of the basics of vehicle management and driving safety among students; familiarizes future teachers of NVTP with the scientific foundations of their professional activities; strict compliance with the requirements of military legislation, the statutes of the Armed Forces of the Republic of Kazakhstan; to give an idea of the state policy in the field of social protection of military personnel.</p> | PD | 22 | KC 2, KC 5 |
| 6 | Combat Training (BP 06) | <p>ROM1 – to show creativity and leadership in a team to achieve victory using the requirements and skills of tactics of conducting combined-arms combat.</p> <p>ROM2 – use your weapon as a means of protection, ensure reli-</p> | <p>Tactical training</p> <hr/> <p>Fundamentals of basic military and technological training</p> <hr/> <p>Fire training</p> <hr/> <p>Drill</p> | <p>The content of the module provides for obtaining knowledge about the requirements of modern military tactics; The basics of the Armed Defense of the Republic of Kazakhstan, the role of the Armed Forces in ensuring national security;</p> | PD | 54 | KC 5, KC 6 |

able and trouble-free operation.
ROM3 – apply methods and methods of correct and well-coordinated execution of drill techniques and exercises.

ROM4 – to use in practice the characteristic features of the mountainous terrain when conducting combat operations.

ROM5 – to apply the theory and practice of military-patriotic education using methods and techniques of creative, pedagogical innovative technologies.

ROM 6-the ability to be communicative in effective work, which contributes to psychological development and business skills necessary for combat education and training.

ROM 7-assess the performance of peacekeeping tasks by the armed forces in accordance with international treaties ratified by the Republic of Kazakhstan.

ROM8 – apply basic methods and methods of protecting the population in the face of the threat of terrorism

| |
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| General military regulations Armed Forces Republic of Kazakhstan |
| Fundamentals of military - patriotic education |
| Fundamentals of military ped- agogy and psychology |
| Combat training in the high- lands |
| Peacekeeping mission of the Armed Forces of the Republic of Kazakhstan |
| Protection of the population under the threat of terrorism |

training in the basics of small arms and military affairs, human life safety in emergency situations, rules for shooting small arms, grenade launchers, hand grenades, and their use in combat; Performing single drill, and as part of units; understanding and strict compliance with the provisions of the military oath and statutory provisions; knowledge of the legal foundations of the martial law of the Armed Forces of the Republic of Kazakhstan; education of young people to master the theory and practice of military-patriotic education, preparation for military service, protection of their homeland; fundamentals of psychological thinking and business skills necessary for military education; requirements for combat training in mountainous areas; participation of the Armed Forces of the Republic of Kazakhstan in peacekeeping and other operations in accordance with international obligations; actions of citizens, in case of threat and terrorist acts.

Educational trajectory 1: Military engineering training

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| 7 | Military Engineering training (VIP 07) | <p>ROM 1- to put into practice the skills of actions of the GO organization with the peculiarities of the impact of weapons of mass destruction on the human body, actions in the event of terror.</p> <p>ROM2 – to show a civil position, interpersonal communication, effective functioning in a team in case of threat and occurrence of terrorist threats and terror.</p> <p>ROM3 – apply practical knowledge of the organization of civil defense, demonstrate communication skills in effective work, apply methods and techniques of first aid in foci of mass destruction, poisoning with potent toxic substances.</p> <p>ROM4 – Evaluate innovative technologies, functional and tactical tasks for military robots.</p> | <p>Fundamentals of life safety and information technology</p> <hr/> <p>Rescue operations in emergency situations</p> <hr/> <p>Fundamentals of military robotics</p> | <p>The module is aimed at the direct development of students' practical skills and abilities to conduct classes on protecting the population from weapons of mass destruction and other emergencies in wartime and peacetime, as well as the formation of knowledge about information protection technologies; rescue operations in emergency situations; the use of robots in combat conditions</p> | PD | 18 | KC 4, KC 7 |
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| Educational trajectory 2: military -physical training | | | | | | |
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| 8 | Military Physical Training (VFP 08) | <p>ROM 1 – to apply in practice knowledge on increase of stability of an organism of the military personnel to the various conditions connected with features of passing of military service</p> <p>ROM 2 – apply in practice the knowledge of the construction of military sports facilities, using communication skills, teamwork to form a strong, physically hardened citizens.</p> <p>ROM 3 – apply in practice methods and techniques of fighting military-Sambo in hand-to-hand combat.</p> | <p>Military physical training</p> <p>Military-sports games and systems</p> <p>Military Sambo</p> | The trajectory includes methods of increasing the resistance of military personnel of the Armed Forces to various situations related to the performance of combat missions; design and construction of military sports facilities; training combat Sambo. | PD | KC 2, KC 5 |
| Minor :variable modules | | | | | | |
| | | 1-subject | | | BD | |
| | | 2-subject | | | | |
| | | 3-subject | | | | |
| | | Final certification | | | | 12 |
| | | | Just | | | 240 |

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| | | and developing students' abilities, consolidating the relationship between teacher and student, organizing work on children's health, physical culture, and labor training are described. | | | | | | | | | | | | | |
| 3 | Age psychology | In the process of teaching the discipline using various methods of psychological research, age-related features of the mental development of school-age children are identified and considered. And also the methods of formation of mental properties of primary school students, adolescents and youth are determined. | 4 | | | | | | | | | | + | + | |
| 4 | Pedagogy and methods of educational work | The objectives, categories, structure, methodological foundations of pedagogical science, the main stages of development, the concepts of the pedagogical process, forms, methods, means of educational work and their innovative technologies are considered. The current problems of pedagogical science, modern concepts of education in the Republic of Kazakhstan, the educational system of the school, the classroom, the dynamics of educational work, interpersonal communication, ways to assess the creativity of problem solving in conflict situations are described. | 5 | | | | | | | | | | + | + | + |
| 5 | Modern assessment technologies | A process based on the comparison of students' academic achievements, clearly defined, collectively developed, having criteria in accordance with the content and purpose of education, known in advance to all participants in the process. It is necessary to prepare an assessment system that will form and establish a system of criteria assessment. | 5 | | | | | + | | + | | | | | |
| Cycle of profile disciplines | | | | | | | | | | | | | | | |
| Component of a higher education institution | | | | | | | | | | | | | | | |
| 6 | Methods of teaching tactical training | The course is aimed at teaching methods of unit tactics in various types of combat, the development of modern | | | | | | + | | | | | + | | |

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| | | advanced weapons, the development of students' skills to apply knowledge in practice using ICT, assessment of teamwork skills in accordance with the goals and objectives of training in tactics of warfare. | 6 | | | | | | | | | | |
| 7 | Innovative technologies of primary military and technological training | The subject studies the training of military personnel in accordance with the updated program of skills and knowledge of military service, using innovative technologies in accordance with the goals and objectives of training and education, forms communication skills in interpersonal communication and remote control. | 5 | + | | | | | + | | + | | |
| 8 | The use of computer technology in teaching basic military and technological training | Future teachers in the discipline "Initial military and technological training" - master the didactic basics of the methodology of using computer-based learning tools and the ability to work freely with technical training tools. They master modern computer technologies, and their methodically correct use in the educational process. | 5 | | | | | + | + | | | | |
| 9 | Methods of teaching Military sports games and complexes | Improving patriotic qualities and clarifying the requirements of preparing young people for service in the Armed Forces of the Republic of Kazakhstan, improving the material base of educational institutions, forming a sense of patriotism and physical development among young people through military-patriotic games, forming knowledge about the construction of military sports facilities in secondary educational institutions, applying communication skills in practice for effective work. | 5 | + | | | | | + | | + | | |
| 10 | Technological preparation | In teaching students of technological training, practical knowledge and skills are used, the use of technologies using ICT and digital educational resources, the acquisition of basic vehicle management skills and driving safety in difficult road conditions. | 6 | + | + | | | + | | | | | |
| 11 | Introduction to the specialty initial military and technological training | The course examines the familiarization of future teachers of NVTP with the scientific foundations of their professional activity, forms the ability to argue the importance of military training in the system of sciences, | 7 | | | + | + | | | | | + | |

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| | | integrate interdisciplinary knowledge in the formation of personal development of their professional growth of the future teacher. | | | | | | | | | | | | |
| 12 | Military legislation | The course examines the understanding and integration of knowledge on the main sections of the military legislation of the Republic of Kazakhstan, analyze ways to solve the problems of eliminating irregular relationships in the Armed Forces and their strict observance for the formation of personal development of the student. | 5 | | | + | | | | | | | + | |
| 13 | Fundamentals of social protection of military personnel | The discipline includes the basics of state policy in the field of social security of military personnel, students analyze ways to solve problems, showing the creativity of solving the problem of the status of military service and military personnel, by integrating interdisciplinary knowledge. | 5 | | | | + | | | | | | + | + |
| 14 | Tactical training | The course studies the essence, strength and means of modern combat operations. Demonstrate the integration and application of knowledge in practice to the basic types and features of modern civil war, demonstrating the skills of teamwork in the study of new types of weapons and the development of tactics of combat operations. | 6 | + | + | | | | | | | | + | |
| 15 | Basics of basic military and technological training | Along with the work on preparing young people for military service, military-patriotic education is carried out using pedagogical and innovative technologies in accordance with the goals and objectives of training and education. Knowing the tactics of combat, without panicking in any enemy movements, he applies methods of destroying the enemy. | 7 | | | | + | | + | | | | | |
| 16 | Fire training | The article considers the integration of knowledge on the main sections of fire training, types of small arms, hand fragmentation grenades and grenade launchers, their purpose, combat properties, the arrangement of parts and mechanisms, as well as the acquisition of practical skills according to the rules of shooting. | 5 | + | + | | | | | | | | + | |

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| 17 | Drill | To familiarize with the requirements and rules of drill training, integration of knowledge in the main sections, understanding of requirements and regulations, the ability to critically analyze the requirements of the laws of the Republic of Kazakhstan based on systematic thinking and critical approach, to argue the role and importance of military training in real life and in the system of sciences. | 4 | + | + | | + | | | | | | | |
| 18 | General military regulations Armed Forces of the Republic of Kazakhstan | To familiarize with the legal foundations of the general military charters of the Armed Forces of the Republic of Kazakhstan, integration of knowledge on the main sections, understanding of requirements and regulations, the ability to critically analyze the requirements of the laws of the Republic of Kazakhstan based on systematic thinking and critical approach, to argue the role and importance of military training in real life and in the system of sciences. | 5 | + | + | | + | | | | | | | |
| 19 | Fundamentals of military -patriotic education | Teaching young people to argue the role and importance of military-patriotic education, to use innovative technologies in accordance with the goals and objectives of education and upbringing, to develop their skills of creative, logical thinking, in the preparation of future defenders of the Fatherland. | 7 | | | | + | | + | | | | | |
| 20 | Fundamentals of military pedagogy and psychology | The course develops new ideas, helps future teachers to master military psychological and military pedagogical education, as well as to use criteria-based assessment for the development of business skills necessary in teamwork and the formation of personal development. | 5 | | | | | | | + | + | + | | |
| 21 | Combat training in the highlands | The course studies the features of training methods, as well as the acquisition of skills to independently solve practical tasks of conducting combat operations in mountainous terrain, to give importance to the role and significance of combat training in mountainous terrain in a modern environment. | 4 | | | + | | + | | | | | | |
| 22 | Peacekeeping mission of the Armed Forces of the Republic of Ka- | The course examines the understanding, integration of knowledge on the formation and training of the Armed Forces to participate in peacekeeping and other opera- | 5 | + | | | + | | | | | | | |

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| | zakhstan | tions, analyze ways to solve problems, understanding the role of the basic concepts of international obligations ratified by the Republic of Kazakhstan. | | | | | | | | | | | | |
| 23 | Protection of the population under the threat of terrorism | Considers actions of citizens during or under threat of a terrorist act. It provides for the development of students' communication skills, as well as instilling skills to analyze ways to solve problems and formulate conclusions on the prevention of terrorist threats. | 6 | | | + | | | | | | + | | + |
| Cycle of profile disciplines component of choice | | | | | | | | | | | | | | |
| Educational trajectory 1: Military engineering training | | | | | | | | | | | | | | |
| 24 | Fundamentals of life safety and information technology | To familiarize with the requirements for the protection of national and economic objects during peaceful and military emergencies, to apply knowledge on the organization of civil defense in practice, to use ICT and digital educational resources in teaching the peculiarities of the influence of strong toxic substances on the human body. Evaluate the creativity of solving problems that arise in practice in order to achieve goals in anti-terrorist activities. | 6 | | | + | | | + | | | | | + |
| 25 | Rescue operations in emergency situations | To familiarize students with the activities carried out in emergency situations in wartime and peacetime, using ICT and digital educational resources, to apply knowledge in practice on protecting the population from weapons of mass destruction, providing first aid in the focus of strong toxic substances and to demonstrate communication in the team when organizing rescue operations in emergency situations. | 6 | | | + | | | + | | | + | | |
| 26 | Fundamentals of military robotics | When teaching the basics of military robotics, apply innovative learning technologies in practice using ICT and digital educational resources, develop robot control skills, as well as tasks for robots, setting and solving private tactical tasks, terrain orientation, robot behavior in critical situations. | 6 | | | + | | | + | + | | | | |

| Educational trajectory 2: military -physical training | | | | | | | | | | | |
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| 27 | Military physical training | One of the subjects is improving the combat and physical training of military personnel. It provides for the application of knowledge in practice, using ICT and digital educational resources, to teach the peculiarities of the influence of physical exercises aimed at strengthening the health of military personnel, to demonstrate creativity in preparing psychological balance.. | 6 | | + | | | + | | | + |
| 28 | Military sports games and complexes | The course examines military patriotic education, the application of knowledge in practice through military sports games. Improving the physical fitness of young people, using ICT and digital educational resources, to demonstrate communication skills in the design and construction of military sports facilities and complexes in secondary educational institutions. | 6 | | + | | | + | | + | |
| 29 | Military Sambo | To teach the application of military Sambo techniques in practice, using ICT and digital educational resources, to demonstrate the communication aimed at improving the health of soldiers, to apply innovative training technologies in accordance with the goals and objectives of training. | 6 | | + | | | + | + | | |

8.4 Working curriculum of the educational program