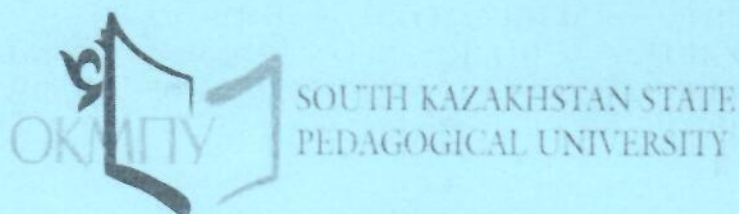


КАЗАҚСТАН  
РЕСПУБЛИКАСЫ ҒЫЛЫМ  
ЖӘНЕ ЖОҒАРЫ БІЛІМ  
МИНИСТРЛІГІ

МИНИСТЕРСТВО НАУКИ И  
ВЫСШЕГО ОБРАЗОВАНИЯ  
РЕСПУБЛИКИ  
КАЗАХСТАН

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



ОҢТҮСТІК ҚАЗАҚСТАН  
МЕМЛЕКЕТТІК  
ПЕДАГОГИКАЛЫҚ  
УНИВЕРСИТЕТІ

ЮЖНО-КАЗАХСТАНСКИЙ  
ГОСУДАРСТВЕННЫЙ  
ПЕДАГОГИЧЕСКИЙ  
УНИВЕРСИТЕТ

SOUTH KAZAKHSTAN  
STATE PEDAGOGICAL  
UNIVERSITY

Университетінің Ғылыми  
кеңесінде бекітілген, кеңес  
төрағасы Оңтүстік Қазақстан  
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Хаттама № 1 «31.08» 2022 ж. Протокол № 1 «31.08» 2022 г. Protocol № 1 «31.08» 2022 y.

БІЛІМ БЕРУ  
БАҒДАРЛАМАСЫ

7M01406 КӘСІПТІК ОҚЫТУ  
ПЕДАГОГІН ДАЯРЛАУ

ОБРАЗОВАТЕЛЬНАЯ  
ПРОГРАММА

7M01406 ПОДГОТОВКА ПЕДАГОГА  
ПО ПРОФЕССИОНАЛЬНОМУ  
ОБУЧЕНИЮ

EDUCATIONAL  
PROGRAM

7M01406 TEACHER TRAINING OF  
VOCATIONAL TRAINING

Шымкент 2022

**EDUCATIONAL PROGRAM**  
**7M01404 – «TEACHER TRAINING IN ART WORK AND DRAWING»**

<b>Code and classification of the fields of education:</b>	<b>7M01 Pedagogical sciences</b>
<b>Code and classification of Training course:</b>	<b>7M014 Preparation teachers with a subject specialization of General development</b>
<b>Awarded degree:</b>	<b>Master of Pedagogical Sciences in Educational program 7M01406 – «Teacher training in professional training»</b>
<b>Type of program:</b>	<b>Magistracy, 7 level NQF/SPF/ISCE</b>
<b>Total number of credits:</b>	<b>120 academic credits</b>

The educational program was reviewed at the meeting of the Council of the «Art and Education» faculty and recommended for approval by the Academic Council of the University.

Protocol № 1 «27» 08 2022y.

The educational program was approved by the decision of the Academic Council of the University and put action.

Protocol № 1 «31» 08 . 2022y.

**Agreed:**

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D.A. Aidarbekov

**Abbreviations:**

*NFQ - National frame qualifications*  
*IQF- Industry Qualifications Framework*  
*ISCED - International Standard Classification of Education*  
*EP - Educational program*  
*WCP - Working curriculum plan*  
*PED- Product elective distsidl*  
*KC - Key competencies*  
*RT – Results training*  
*ICT- Information and Communication Technologies*  
*Of Kazakhstan - Landmark control*  
*CC - Current control*  
*FG – Final grade*  
*GED- General educational disciplines*  
*BD - Basic disciplines*  
*PD - Profile disciplines*

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## INTRODUCTION

Educational program (hereinafter - the OP) of professional postgraduate education «7M01406 - **Teacher training of vocational training**» is a normative document of a conceptual nature, based on the goals and values of university education. It contains general information about the professional activity of the student; the goals and objectives of the EP; graduate competency model; expected learning outcomes and their evaluation policies; methods and ways of organizing the educational process; content modules and disciplines.

The developed on the basis of the request of employers study program was in accordance with the Klas-Sifikator of specialties of postgraduate education (magistracy), Teacher's Professional Standard, Dublin Descriptors Level 2, agreed with the 2nd cycle of the Qualification Framework of the European Higher Education Area (A Framework for Qualifications of the European Higher Education Area), the 7th level of the European Qualifications Framework for Lifelong Education (The European Qualifications Framework for Lifelong Learning) and the 7th level of the National Qualifications Framework of the Republic of Kazakhstan, taking into account the requirements regional labor market.

The main directions of the educational program:

- implementation of the educational policy of the university;
- high-quality training of highly qualified masters in demand on the international and national labor market;
- conducting fundamental research in the field of Russian linguistics and literary criticism;
- The introduction of a trilingual education at the university; expanding fluency in Russian and English to participate in international conferences, continuing education on academic mobility;
- the formation of the world of undergraduates, the development of their creativity, communication, critical thinking, research and information skills.

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

- catalog of elective disciplines (QED);
- academic calendar of the educational process;
- the individual curriculum (IEP);
- working curriculum (RUP);
- working curriculum discipline (syllabus);
- educational and methodical complexes of disciplines (EMCD);
- expected learning outcomes in the disciplines;
- criteria for evaluating the results of training in the disciplines;
- The organization of all kinds of professional practice, as well as other documents necessary for the organization of the educational process.

# **1 PASSPORT OF THE EDUCATIONAL PROGRAM**

## **1.1 The sphere of professional activity of the graduate**

Graduate of the educational program "7M01406 - Teacher training of vocational training" carries out his professional activities in the field of education and science.

## **1.2 Objects of the graduate's professional activity:**

- technical and vocational education organizations;
- organizations of higher and postgraduate education;
- pedagogical research institutions;
- Institutes of advanced training and retraining of education workers;
- governing bodies, authorized and local executive bodies, including education;
- state and non-state institutions related to the preparation of graduates of the scientific and pedagogical direction.

## **1.3 Types of professional activity of the graduate:**

- training;
- research;
- organizational and managerial;
- educational;
- social and pedagogical.

## **1.4 Objectives of the graduate's professional activities**

In the field of educational activities:

- development and deepening of the theoretical and practical training of undergraduates, taking into account the updated educational programs;
- effective using modern methodologies professional training, design and management of the pedagogical process;
- diagnostics, correction and forecasting of the results of pedagogical activity, planning professional development;
- use of the latest educational IT-technologies;
- performing the functions of a teacher (specialist teacher) in organizations of technical, professional higher and postgraduate education.

In the field of research activities:

- study the level of assimilation of the content of education, directions and prospects for the development of pedagogical science;
- study of the achievements of world and Kazakhstan science in the professional field, analysis and synthesis of advanced teaching experience in the field of science and education;
- implementation of methodological support of theoretical disciplines;
- integration of knowledge gained in the framework of mastering special disciplines for solving research problems in new conditions;

- development of students' research skills, motivating them for educational, cognitive and design and research activities;
- conducting a pedagogical experiment, introducing its results into the educational process;
- generate their own new scientific ideas, transfer their knowledge and ideas to the scientific community, expanding the boundaries of scientific knowledge.

In the field of organizational and management activities:

- content planning and defining methods for organizing and implementing the educational process at different levels;
- possession of the basics of strategic human resource management, innovation management, theories of leadership and team management;
- analysis evaluation of the effectiveness of the educational process through monitoring studies;
- the implementation of industrial relations with various organizations, including the bodies of state service;
- application in practice of legislation Republic of Kazakhstan at fields of education and science.

In the field of educational activities:

- active in the organization of the educational process in a professional environment in accordance with the laws, laws, principles, educational mechanisms of the pedagogical process;
- solving specific educational tasks using various forms and means of organizing a developing environment at different levels of education;
- organization of educational work on the basis of Kazakhstan patriotism and civil responsibility;
- Creation of favorable conditions for the provision of pedagogical support and the development of full-fledged life activity, education of students.

In the field of social and educational activities:

- the interaction with the professional community and all interested parties in education;
- the formation of a polycultural personality;
- observance of the pedagogical and scientific ethics of the research scientist;
- establishing relationships with student groups, partners, the scientific community based on the principles of respect, openness, mutual understanding.

## **2 FEATURES OF THE EDUCATIONAL PROGRAM**

Postgraduate education program “7M01406 - Teacher training of vocational training” defines the goal and objectives, expected results, conditions and technologies of the educational process, ways of implementation, assessment of the quality of training for graduates in this area, the content of the working curriculum. The implementation of the EP is provided by free access to international information networks, library collections and databases, computer technologies, scientific, educational and methodical manuals, developments on the modules taught and the implementation of a master's thesis.



### 3 PURPOSE AND VALUES OF THE EDUCATIONAL PROGRAM

#### 3.1 The purpose and objectives of the educational program

The purpose of the educational program is to prepare competitive scientific and pedagogical personnel in the field of teaching Russian language and literature, possessing general cultural and professional competences in accordance with the requirements of the labor market.

Objectives of the educational program:

Ø the formation of key competencies necessary for the effective implementation of the professional activities of students;

Ø bringing the quality of postgraduate education in line with the requirements of national and international standards;

Ø providing fundamental theoretical and methodical training of highly educated specialists;

Ø the formation of professional knowledge and practical skills with the implementation of the tasks of the updated content of education

Ø motivation for professional development, promoting the development of independence, self-actualization of creative potential, active participation in the modernization of Kazakhstan society.

#### 3.2 Values of the educational program

Values defined in the content of postgraduate study OP:

v Kazakhstan patriotism and civil liability;

v respect for national values;

v universal and social personality traits;

v awareness of the social significance of the future profession;

v motivation for personal, professional self-development;

v cooperation, openness, multiculturalism.

### 4 MODEL COMPETENCE GRADUATE

The following key competencies are the basis of the competency model of the graduate of the educational program:

· **cultural:** coordinates their abilities and interests in the formation of value-ideological views, the analysis of important for the person problems with civil and moral positions (KC1);

· **socio-communicative:** shows on the basis of skills of multilinguism and intercultural communication, functional literacy, activity in the renewal of society, the ability to work in a team (KC2);

· **organizational and methodical:** shows critical thinking, creativity in the application of innovative technologies in the planning, organization, management of professional activities, in solving complex problems (KC3);

- **research:** argues the results of their own research work, creates conditions for the development of creative potential students, motivation for self-education (KC4);

- **subject:** evaluates their abilities and interests in accordance with the needs of society, deeply masters the subject area, implements the results of their research into professional activities (KC5);

- **developing:** demonstrates readiness to learn and develop, actively thinks, plans personal growth, continuous professional training throughout life (KC6).

## **5 THE EXPECTED RESULTS OF TRAINING IN THE EDUCATIONAL PROGRAM**

As a result of a successful completion of the educational program the graduate has to become the certified specialist demanded in modern labor market.

Results of training in the educational program:

- LO1 - demonstrate developing knowledge and understanding, as well as the development of research methods **in the field of vocational training**, when developing and applying ideas in the context of research;

- LO2 - apply the knowledge, understanding and ability of creative approach to solve professional and managerial problems in non-standard situations in a wider interdisciplinary context;

- LO3 - demonstrate information culture, knowledge of two foreign languages (English and German) for the formation of his judgments taking into account social, ethical and scientific considerations;

- LO4 - organize clear and precise public information about the ideas, conclusions and solutions of his research work program;

- LO5 - integrate interdisciplinary knowledge for independent continuation of further education **in the field of vocational training**.

### **UBLIN DESCRIPTORS SYSTEM IN THE EDUCATIONAL PROGRAM**

<b>Dublin Descriptors</b>	<b>Learning Outcomes</b>	<b>Competences</b>
1. Knowledge and understanding	demonstrate developing knowledge and understanding, as well as the development of research methods <b>in the field of vocational training</b> , when developing and applying ideas in the context of research;	Expansion of knowledge

2. Application of knowledge and understanding	apply the knowledge, understanding and ability of creative approach to solve professional and managerial problems in non-standard situations in a wider interdisciplinary context;	Increased knowledge
3. Expression of judgment	demonstrate information culture, knowledge of two foreign languages (English and German) for the formation of his judgments taking into account social, ethical and scientific considerations;	Systemic
4. Communicative abilities	organize clear and precise public information about the ideas, conclusions and solutions of his research work program;	Communicative
5. Abilities Learning	integrate interdisciplinary knowledge for independent continuation of further education <b>in the field of vocational training</b>	Systemic

## 6 ACHIEVEMENT EVALUATION POLICY

Academic Specialty program 7M01406 - Teacher training of vocational training provides for a wide range of monitoring and evaluation of the expected learning outcomes: current and boundary control; intermediate certification (computer testing, exam, protection of practice reports); final state certification (comprehensive examination in the specialty, defense of a master's thesis).

Ongoing control (survey in class, testing, tests, protection of research projects, portfolios, discussions, trainings, colloquiums, etc.) is considered as one of the means of managing the learning process. Verification of current learning outcomes is carried out on each topic of the discipline during classroom and extracurricular classes.

Boundary control is carried out during the academic period in the framework of this discipline twice.

Evaluation of results is carried out in accordance with the table on a point-rating letter system.

The final grade for the discipline is 30% of the current control, 30% of the mid-term control, the remaining 40% of the exam. Undergraduates who scored at least 30 points (a passing score of  $0.3 * TK + 0.3 * K \geq 30$  points) from the mid-term and current control are allowed to take the exam.

Intermediate certification results calculated using the formula:

$$\text{Total Score (IO)} = 0.3 * TC + 0.3 * + 0.4 * RK e$$

Current control (TC) ≤ 100  
 Landmark control (RC) ≤ 100  
 Exam (E) ≤ 100

Point-rating and letter system for assessing the accounting of academic achievements students'with their transfer to the traditional rating scale and ECTS

Evaluation of the letter system	Digital equivalent	Points (% content)	Evaluation of the traditional system
A	4.0	95-100	excellent
A-	3.67	90-94	
V +	3.33	85-89	good
B	3.0	80-84	
V -	2.67	75-79	
C +	2.33	70-74	
C	2.0	65-69	satisfactory
C-	1.67	60-64	
D +	1.33	55-59	
D-	1.0	50-54	
FX	0.5	25-49	unsatisfactory

## **7 METHODS AND METHODS OF ORGANIZING THE EDUCATIONAL PROCESS**

The organization of the educational process is carried out according to the credit technology on the basis of the electiveness of the disciplines and the order of mastering the modules, carrying out the independent work of the undergraduate, teaching and research practice, preparation and defense of the master's thesis.

Objectives of the organization of the educational process:

- unification of the volume of knowledge;
- creation of conditions for maximum individualization of training;
- strengthening the role and effectiveness of independent work of students;
- identification of educational achievements of a student on the basis of an effective and transparent procedure for monitoring their scientific and educational activities.

Opportunities for training on credit technology:

- the introduction of a system of academic credits to assess the labor costs of students and teachers in each discipline;
- participation in the formation of an individual curriculum;
- the choice of a component of the module in the catalog of elective disciplines;
- Freedom of choice for a teacher;
- choice of educational trajectory with the help of an adviser;
- use of interactive teaching methods;
- academic freedom in the formation of educational programs;
- providing the learning process with the necessary EMCD;
- The use of effective methods of monitoring student achievement;
- the use of a point-rating system for evaluating educational achievements in each discipline and other types of independent work.

Applied teaching methods and technologies.

Mastering OP provided by pedagogical technologies:

- v Acmeological (technology to achieve success, high results);
- v psychotechnology (development of skills for constructive creative actions based on critical, associative, abstract thinking);
- v informational (implemented on the basis of the AIS "UNIVER 2.0" when using training resources, presentations, conducting automated testing; RAA on the Bilim Media Group portal);
- v technology interactive learning.

The following methods are used as components of these technologies:

- v reflexive;
- v research (learning through discovery);
- v training;
- v project;
- v Case study and others.

Types of used methods and technologies of training are chosen by the teacher independently.

The system of internal quality assurance of the educational activity of a graduate student is determined by:

- a quality policy;
- development and approval of educational programs being implemented;
- student-centered learning, teaching and assessment;
- admission of students, performance, recognition and certification;
- teaching staff;
- learning resources and student support system;
- information management;
- public information;
- continuous monitoring and periodic evaluation of programs;
- periodic external quality assurance.

Professional practice

Mandatory component of the "7M01406 - Teacher training of vocational training" is the practical training of undergraduates, which provides for conducting pedagogical (at least 5 credits) and research (at least 10 credits) practice, as well as passing professional (scientific) internships.

The purpose of pedagogical practice is the acquisition of practical skills of the professional and pedagogical activity, the strengthening of the motivation for pedagogical work in an educational institution (including higher education).

Requirements for competences (pedagogical practice):

1) have an idea of the basic methods of psychological and pedagogical research; on the theoretical foundations of the design and conduct of psychological and pedagogical research;

2) know the basics of teaching activities in educational programs and apply, in consultation with more experienced colleagues; principles of organization of independent work and ways of organizing research activities;

3) to be able to make personal choice in specific professional situations; carry out teaching activities in educational programs, in consultation with experienced colleagues; determine educational objectives, types and types of classes, use various forms of organization of educational activities of students; diagnose, choose the type of control and evaluate the effectiveness of educational activities.

4) own the techniques and technologies of organizing and evaluating the results of research activities; skills in implementing educational programs; the basics of scientific, methodological, educational and methodical work: structuring skills and psychologically competent transformation of scientific knowledge into educational material, systematization of educational and educational tasks; methods and techniques of drawing up tasks, exercises tests on different topics, written and oral presentation of subject material, a variety of educational technologies.

Report on theof teaching practice

Evaluation on the basis of teaching practice is carried out on the basis of the drawn up in accordance with the requirements of a written report, a diary and a review for the passage of practice, drawn up by the head of the practice. The recall of the head evaluates the formation of pedagogical activity skills, attitude towards their work, to practice (the degree of responsibility, independence, creativity, interest in work, and others.). The report on pedagogical practice should contain information on the specific work performed during the internship period.

Research practice of a student carried out to study the latest theoretical, methodological and technological achievements of domestic and foreign science and securing of practical skills, application of modern methods of scientific research, processing and interpretation of experimental data in this thesis. The content of research practice is determined by the theme of the dissertation (project) research.

In the period of research practice to prepare undergraduate independently 4-5 abstracts (each of not less than 50 p.) With its own conclusions and conclusion: at the latest advances theoretical domestic and foreign science; on the latest

methodological achievements of domestic and foreign science; on technological (innovative) achievements of domestic and foreign science; on the application of modern methods of scientific research, processing and interpretation of experimental data using computer technology.

To competency requirements (research practice):

1) to have an idea about the possibilities of advanced scientific methods and use them at the level required in the study of educational problems; about research, innovation activities in the field of vocational training;

2) to know the wording of the initial assumptions, the initial concept, rationale for choice of the theme, the objectives and the main objectives of the study; methods of literature search, compilation and systematization of data published on the inquiry issue, as well as their notes, annotating and discussing the problem with the supervisor; the current state and prospects of development of educational processes, features of the activities of a vocational training institution; research methods of pedagogical processes; achievements of science and technology of education, advanced domestic and foreign experience in the field of vocational education.

3) be able to formulate and solve problems arising in the course of research and teaching activities, and requires in-depth

professional knowledge; select the necessary research methods, modify existing and develop new methods, based on the objectives of a specific study; process the obtained experimental results, analyze and interpret them taking into account the available literature data; to conduct bibliographic work with the involvement of modern information technologies; present the results of the work done in the form of reports, abstracts, articles, designed in accordance with the existing requirements, with the involvement of modern editing and printing tools; to make educational and methodical complexes of disciplines; rationally organize the conduct of all types of training sessions;

4) have the skills to plan and conduct research; use of foreign languages in the amount necessary for the implementation of research activities;

5) to be competent in matters of organization, planning, conducting scientific activities.

Report on the results of research practice The certification on the results of the practice is carried out on the basis of a written report, diary and review of the internship prepared in accordance with the established requirements by the supervisor. At the initial stage, the supervisor assesses the formation of research skills, attitudes towards work, practice (degree of responsibility, autonomy, creativity, interest in work, etc.), which he sets out in the recall.

Attestation on the results of practice

According to the results of professional practices at the department (scientific seminar), reports are being protected with the participation of all undergraduates of one specialty or one direction.

The results of professional practices are evaluated by the results of protection. The head of the practice, on the basis of a review of its results and the report of the

undergraduate, makes a conclusion about the quality of the undergraduate's practice and gives a mark in the form of a differentiated test. Evaluation of the practice is recorded in the examination sheet and IPK "Univer 2.0", is equal to the estimates of theoretical training and is taken into account when summing up the overall academic performance of undergraduates and assignment to a scholarship in the relevant semester.

Criteria for assessing the quality of the practice carried out by the undergraduate trainee:

1. The overall assessment of the practice performed is derived based on the arithmetic average of the scores for all assessment indicators of the practice.
2. Evaluation criteria (average score) for all positions:
  - 3.5 - the practice performed does not meet the modern requirements of the organization of the educational process at the university;
  - 3.6-3.9 - general conclusion: the practice carried out meets the modern requirements of the organization of the educational process at the university;
  - 4.0-4.5 - a general conclusion: the practice carried out fully meets the modern requirements of the organization of the educational process at the university;
  - 4.6-5.0 - general conclusion: the practice is qualifying and meets the modern requirements of the organization of the educational process at the university.

## **8 RESEARCH WORK OF THE MASTER**

The educational program “7M01406 - Teacher training of vocational training” contains a research paper that includes the implementation of a master's thesis, which should:

- 1) correspond to the main issues of the specialty for which the master's thesis is defended;
- 2) be relevant, contain scientific novelty and practical significance;
- 3) to be based on modern theoretical, methodological and technological achievements of science and practice;
- 4) performed using modern research methods;
- 5) contain research (methodological, practical) sections on the main protected provisions;
- 6) based on international best practices in the relevant field of knowledge.

The results of research work at the end of each period of their passage are recorded by a graduate student in the form of a report. According to the results of the research and development work carried out at the department (scientific seminar), reports are being protected with the participation of all undergraduates of one specialty or one direction.

Within the framework of the research and development work, the individual work plan of the undergraduate to get acquainted with innovative technologies and new types of production provides for mandatory scientific internships in scientific organizations and / or organizations of relevant industries or fields of activity.



The final result of the research work of the undergraduate is a master's thesis (master's project).

## 9 CONTENTS EDUCATIONAL PROGRAM

### 9.1 Compliance of the educational results with the educational program to the formed competencies

The learning outcomes defined in the EP form the competencies acquired by the undergraduate upon completion of the program.

Matrix of correlation of learning outcomes of the educational program as a whole with the formed competencies

	LO1	LO2	LO3	LO4	LO5
KC 1		+	+		
KC 2	+		+		
KC 3	+	+			
KC 4	+		+	+	
KC 5	+	+			+
KC 6				+	+

## 9.2 Module Information

№	Naimenovanie module	Is a module	Brief description of module	learning outcomes of the module	Cycle	Number of loans	Molded competencies and outcomes learning (codes)
1	Vocational Humanities (VH 01)	History and philosophy of science	The module examines the prerequisites for the development of scientific knowledge, philosophical-methodological, anthropological aspects of scientific research; place of psychology in the system of educational sciences; psychological issues of professional activity; fundamentals of management psychology; general issues of higher education pedagogy, theoretical and methodological foundations of educating students. The purpose of the pedagogical practice of undergraduates is the acquisition of practical skills and competencies of professional and pedagogical activity, strengthening of motivation for pedagogical work in an educational institution, including in higher education.	<ul style="list-style-type: none"> <li>- demonstrate knowledge in the field of history and philosophy of science;</li> <li>- apply a foreign language in oral and written forms to solve problems of professional activity;</li> <li>- to analyze various non-standard situations in the field of higher education pedagogy;</li> <li>- assess the quality of psychological management in education;</li> <li>- interpret scientific methods and research techniques in the context of the interaction of the disciplines of the module.</li> </ul>	BD/ UC	20	KC1, KC2, KC3 LO1, LO3, LO4
Foreign Language (professional)							
Pedagogy of the Higher School							
Psychology of management							
Pedagogical Practice							

2	<b>Scientific and methodical training (NPP02)</b>	<p>1. Methods of researches in professional pedagogics 2. Methods of static processing of experimental data</p> <p>1. Didactic bases of a struktirovaniye of textbooks of vocational school 2. Problems of design of elective courses of vocational education</p> <p>1. Technique of the organization of creative projects of students 2. Method of vocational education in higher education school</p>	<p>The module includes planning and organization of research work in the professional pedagogy of a future specialist, statistical data processing, scientific reports on the results of scientific work, the role of a distinctive textbook, in translating a language into a scientific language, principles and criteria in the formulation of concepts and terms, the content and structure of textbooks, analysis of the characteristics of students in the choice of teaching methods in accordance with the logical structure of creative projects. The stages of development of science, methods of scientific research, plans, place and role of the choice of factors are considered.</p>	<p>LOM1 - acquires theoretical knowledge of professional pedagogical science, concepts about concepts, experiments, and research methods; LOM2 - content analysis of textbooks, the results of the examination in practice; LOM3 - interprets the methodological features of the organization of modern creative projects.</p>	BD	15	<b>KC 2,3,4,5 LO 1,3,4,5</b>
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3	<b>Scientific and methodological foundations of the process of vocational training (NMOPPO03)</b>	<p>Scientific bases of the organization of educational process at the higher school</p> <p>Research Methods and Academic Letter</p> <p>1. Technology of contextual training in the system of vocational training 2. Professional culture of the teacher</p> <p>1. The theory and practice of integrative approach in vocational education 2. Humanization of process of professional education</p>	<p>The module is based on scientific and theoretical foundations and regularities of the process of training future teachers in higher education, an understanding of the conceptual and competent approach to learning, an incentive for self-study, a modern pedagogical paradigm of vocational education, contextual learning, principles, forms and methods, teacher's skill, intelligence, self-management and professional development, self-development based on integrative creativity, the desire to understand the effectiveness of humanization of the educational process in the vocational system onalno training.</p>	<p>LOM1 - demonstrates the scientific and methodological foundations of the organization of the educational process, professional knowledge and understanding of research in higher education;</p> <p>LOM2 - understands the importance of new pedagogical concepts in the field of vocational training;</p> <p>LOM3 - understands the skill, intelligence, professional personality of the teacher;</p> <p>LOM 4 - analyzes the features of the development of the process of vocational education in accordance with scientific paradigms;</p> <p>LOM 5 - a critical assessment of the integration of vocational education with other disciplines and humanization</p>	PD	22	<b>KC 1,3, 4,5,6</b> <b>LO 1,2, 3,4,5</b>
4	<b>Innovative areas of vocational training</b>	<p>1. Use of computer technologies in vocational education 2. Methods of using digital educational resources in the course of vocational education</p>	<p>The module is focused on the future professional development of ICT competencies, assessment of the quality of education, development of the vocational training process. The module presents ICT achievements</p>	<p>LOM1 - develops principles for the application of information technologies in accordance with the peculiarities of the vocational education sector, LOM2 - applies the DIS and various</p>	PD	27	<b>KC 2,3,4,5</b> <b>LO 1,2,3,4,5</b>

		<p>1. The system of assessment of quality of education in the course of vocational education</p> <p>2. Measuring technologies of assessment of quality of education in the professional sphere.</p>	<p>and its didactic opportunities in the educational process, e-learning environments, CRE and their types, the capabilities of various application programs, a multi-dimensional approach to the assessment of knowledge gained by students, a monitoring and evaluation system, experience and current situation, methods, modern technologies.</p>	<p>applied programs in research work; LOM3 - organizes public information on a multidimensional approach to assessing the quality of education;</p>			
		<p>1. Bases of business and business</p> <p>2. Bases small and medium business</p>					
5	Scientific research work of a graduate student (NIR05)	<p>The Research Work of the Undergraduate (RWU) including passing of a training and implementation of the master thesis</p>	<p>The content of the graduate's research work must correspond to the problems of the specialty, be relevant, have a scientific novelty and practical significance; be based on theoretical, methodological and technological achievements of science and practice; include modern methods of processing and interpreting data using information and computer technologies; contain research (methodological, theoretical, practical) sections on the main protected provisions</p>	<ul style="list-style-type: none"> <li>- subject to critical analysis, verification of theoretical, practical judgments of opponents;</li> <li>- to argue conclusions based on their own observations at various stages of the study;</li> <li>- interpret and objectively evaluate scientific information;</li> <li>- to rank the research, analytical and pedagogical work of the undergraduate;</li> <li>- practice the experimental activities of a researcher who owns modern tools of science.</li> </ul>	<b>NIR</b>	<b>24</b>	<b>KC 1,2,3,4,5 LO 1,2,3,4,5</b>

### 9.3 Data on disciplines

№	Name disciplines	Brief course description	Quantity credits	The formed results of training (codes)				
				LO1	LO2	LO3	LO4	LO5
<b>CYCLE OF BASIC DISCIPLINES</b>								
<b>High school component</b>								
1	History and philosophy of science	Discipline studies the development processes of philosophical thoughts of various times of mankind. We consider the philosophical concepts and theories from ancient times to our time, their influence on modern science. The basis of the study of the subject of the history of philosophy and science lies in the philosophical understanding of the scientific picture of the world, which ensures a constant renewal of the boundaries of scientific knowledge.	4		+		+	
2	Foreign language (professional)	The course is aimed at expanding the boundaries of scientific knowledge through the formation of intercultural, communicative and functional competencies of undergraduates; improve the skills of interpreting the results of their own research with foreign language resources for the development of new areas of philological science and the recognition of scientific achievements in the domestic and international educational space.	5			+	+	
3	Pedagogics of the Higher school	The discipline examines the directions, the structure of higher school pedagogy research, the system of general epistemological teachings; new methods and empirical basis for the development of pedagogy through the use of professional pedagogical dialogue; personality formation at the stages of ontogenesis.	3		+			
4	Psychology of management	Discipline considers the basic concepts of management psychology, psychological support of management as a special type of social activity; directions and principles of modern psychological management, selection of effective strategies for cooperation with social partners; special patterns of pedagogical and psychological education.	3		+		+	
<b>CYCLE OF BASIC DISCIPLINES</b>								
<b>Component for choice</b>								
5	1. Research methods in professional pedagogy	The basic concepts, stages, means and methods of planning and, fundamentals of scientific ethics are considered on the basis of integration of intersubject knowledge	5	+		+	+	

		and IT of technology of the organization of research works on professional pedagogics. Public statement of results of the scientific reports concerning results of pedagogical researches.						
	2. Methods of static processing of experimental data	Theoretical approaches, the principles and logic of scientific research on processing of experimental data, fundamentals of scientific ethics, theoretical and experimental methods of scientific research, opportunities application IT and integration of subject knowledge in the system of vocational education are considered. Skills of possession by methods of processing and the presentation statistical yielded and public statement of results are described.						
6	1. Didactic bases of a struktirovaniye of textbooks of vocational school	The textbook – as a phenomenon of formation of the nation, a management basis in development of the textbook, original the textbook, a role of the original textbook in transformation of language into language of science, the principles and criteria of formation of concepts and terms, assessment of contents of the textbook, methodical requirements to the textbook, requirements to contents of the textbook, indicators of quality of the textbook is considered. The analysis of contents of textbooks, the organization of public discussion of results of examination is characterized.	5	+			+	+
	2. Problems of design of elective courses of vocational education	Definitions of the educational purposes, tasks, methods, forms and content of elective disciplines, the organizations of occupations and methods of drawing up the educational samples containing various didactic purposes, developments of the ideas in the context of a research of vocational education are considered. In development of an elective course to describe ways of formation of skills of expression of own opinion on the basis of social, ethical and scientific ideas and a way of formation of skills of the real and accurate public message.						
7	1. Technique of the organization of creative projects of students	The organizations of modern creative projects, innovative search for creation of new creative projects, types of projects Rassmatryvatsya: research and information, creative, role, projects of intellectual and practical character organization and technique of implementation of creative projects, features of design and research activity. It is characterized by knowledge and understanding for continuation of further training in the field of teaching vocational education.	5	+			+	
	2. Method of vocational education in higher education school	The maintenance of a subject matter, specific goals, effective methods and organizational forms of vocational education and criteria assessment, scientific bases of their practical application of ISO according to informative opportunities of pupils are considered. The developing knowledge and concepts of area of vocational education for the purpose of mastering knowledge of an obloveniya and innovative						

		technology of training in Higher education institution are characterized.						
<b>CYCLE OF THE MAIN SUBJECTS</b>								
<b>High school component</b>								
8	Scientific bases of the organization of educational process at the higher school	Considered the Legislation of the Republic of Kazakhstan in the fields of education, educational concepts of the higher school, methodological bases of the organization of educational process, theoretical bases and regularities of the organization of educational process, methodical bases of educational process, technologization of educational-educational process in Higher education institution. It is characterized by the use of knowledge and skill in the organization of pedagogical control, the ways of forming skills of real and clear public communication.	6	+	+		+	
<b>CYCLE PROFILE DISCIPLINES</b>								
<b>Optional component</b>								
9	Research Methods and Academic Letter	The module examines the role of the future specialist in the formation of ICT competence, assessment of the quality of education, development of the quality of art education, studies information culture by mastering the skills of using ICT in design and visual education, a measuring approach to assessing the knowledge gained of students, a system of control and assessment actions, the current state, ways, modern technology.	5	+		+	+	+
10	1. Technology of contextual training in the system of vocational training	Theoretical basics of contextual technology of training, essence of contextual technology and justification of the importance of the directions, units of knowledge, an intensification of educational cognitive activity of students, the main categories of contextual technology of training, the principles, types, forms and methods in the system of professionally training are covered. Integration of subject knowledge of a napravlenn for development of professional level.	5	+	+			+
	2. Professional culture of the teacher	The personal images of the teacher, the constituent parts of professional culture, ethical and pedagogical attitudes, skill, intelligence, management of self-education and professional development, the principles of contextual learning, pedagogical centering are considered. It is characterized for continuing further education in the field of teacher training for artwork and drawing in the development, application of research ideas, as part of updating the content of secondary education.						
11	1. The theory and practice of integrative approach in vocational education	Integrative training is considered as synthesis of various type of oppositions of training between which resolution of conflicts leads to creative self-development of educational process and its subjects (teachers and pupils), theoretical bases of		+	+			+



		integrative training and the leading educational technologies are stated. Is characterized to apply integrative approach in professional situations and to continuation of further training in the field of vocational education.	6					
	2. Humanization of process of professional education	Scientific understanding of requirements of effektivnosty humanitarization and humanization of educational process in the system of vocational education, target reference points, the principles, technological bases and requirements to efficiency of a humanization of educational process for creative self-development Rassmatryvatsya. Is characterized to apply knowledge in professional situations and to continuation of further training in the field of vocational education.						
12	1. Use of computer technologies in vocational education	Achievements ICT and the didactic possibilities of its use, electronic educational environments, DER and their types, ways of use of DER in the course of vocational education, a possibility of different application programs are considered. Also demonstration of information culture by means of use of ICT in vocational education, mastering skills of search, the choice, use of DER is characterized by the description of ways of integration of subject and intersubject knowledge.	6	+		+		+
	2. Methods of using digital educational resources in the course of vocational education	The article considers ICT, electronic educational environments, various applied programs in the educational process of vocational training, web-based tools for training and establishing feedback, methods of searching, choosing a DER. It is characterized by the performance of scientific and creative works, through the use of the DER, a clear and objective public presentation of ways to achieve the goal.						
13	1. Measuring technology for assessing the quality of education in the professional field	Methods of development of a system of assessment of quality of the gained knowledge in the course of vocational education, development of logical thinking, the theoretical analysis of results of control and assessment of knowledge of students are considered. The relation of subjects to the educational environment, a possibility of the solution of the problems arising in professional activity with creative use of knowledge relating to assessment, integration of subject knowledge Haraketrizutsya by the description of ways of the organization of collective works, interpersonal.	5	+		+		+
	2. Measuring technologies of assessment of quality of education in the professional sphere.	Criteria for evaluation of knowledge gained in the professional sphere, a way of creation of the criteria allowing to get quality education, the system of the interconnected control and estimated actions of all participants of educational process focused on results of training are considered. It is characterized by the integration of subject and interdisciplinary knowledge, the possibility of solving problems arising in professional activity with the creative application of knowledge, concepts related to evaluation.						

14	Bases of business and business	The general theoretical foundations of business and entrepreneurship, definitions and terms, motives of entrepreneurial activity, socio-economic characteristics, innovative entrepreneurship, assessment of the effectiveness of small business entities, analysis of the state of entrepreneurship, state support, indicators of the development of small and medium-sized businesses in the Republic of Kazakhstan are considered. Characterized by new ideas, a new impetus for the independent continuation of further training in the basics of business and entrepreneurship.	6	+	+				+
	Bases small and medium business	The main problems of small and medium-sized businesses, their stimulation and development, the fundamental link, the state and level of economic growth of the state, legal support, gross domestic product, tangible and intangible resources, moratorium, voluntary insurance, market conditions, competition are considered. Characterized by new ideas, a new impetus for the independent continuation of further education of the basics of small and medium-sized businesses							
15	The Research Work of the Undergraduate (RWU) including passing of a training and implementation of the master thesis	The maintenance of NIRM is based on theoretical, methodological and technological achievements of science and practice; provides continuous updating and expansion of borders of scientific knowledge, understanding of importance of a professional and pedagogical research, integration of scientific, professional, language and information knowledge in a wide intersubject context; it is directed to mastering the communicative literacy necessary for public informing on results of the research activity.	24	+	+	+	+	+	+