DE ALIKHAN BOKEIKHAN UNIVERSITY

MODULAR EDUCATIONAL PROGRAM

8D01101 - "PEDAGOGY AND PSYCHOLOGY"

Semey, 2023

Developed by the Department of Pedagogy and Psychology

Discussed and approved at the meeting of the Department of Pedagogy and Psychology
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Reviewed and approved at the meeting of the Educational and Methodological Council of the University
Protocol No. 5 of 25.05.2023

CONTENT

I. EXPLANATORY NOTE

The Modular Educational Program (MEP) is compiled in accordance with:

1. Regulatory documents of the Republic of Kazakhstan

1. On Education. Unofficial translation. The Law of the Republic of Kazakhstan dated 27 July, 2007 No. 319-III.
2. 2. On the approval of the state mandatory standards of higher and postgraduate education. Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 No. 2. Registered with the Ministry of Justice of the Republic of Kazakhstan on July 27, 2022 No. 28916
3. On approval of the Standard Rules for the Activities of organizations of higher and Postgraduate Education, Order No. 595 of the Minister of Education and Science of the Republic of Kazakhstan dated October 30, 2018. Registered with the Ministry of Justice of the Republic of Kazakhstan on October 31, 2018 No. 17657.
4. On approval of the Rules for the organization of the educational process on credit technology of education in organizations of higher and (or) postgraduate education. Order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152. Registered with the Ministry of Justice of the Republic of Kazakhstan on May 27, 2011 No. 6976

2. Regulatory documents of the ALIKHAN BOKEIKHAN UNIVERSITY
1. The structure of the modular educational program. MP 05.10.2022 Edition No. 4;

The modular educational program consists of several blocks: Basic disciplines, profile disciplines, research work, final certification. The modules of the basic disciplines block amount to 25 credits (university component – 10, pedagogical practice – 10, elective component – 5).

The block of profile disciplines is 20 credits (university component 5 credits; research practice component 10 credits, elective component 5 credits. Research work of a doctoral student including the completion of a doctoral dissertation 123 credits and Final Certification - 12 credits. There are 180 credits in total for the educational program.

The modular educational program for the preparation of a Doctor of Philosophy (PhD) has a scientific and pedagogical orientation and assumes fundamental educational, methodological and research training and in-depth study of disciplines in the relevant areas of sciences for the system of higher and postgraduate education.

The purpose of the modular educational program: Training of highly qualified scientific and pedagogical personnel capable of research and innovation based on in-depth study of the methodology of psychological and pedagogical science.

Objectives of the educational program:
- to provide fundamental, theoretical and methodological training of doctoral students in the educational program "8D01101 - Pedagogy and Psychology" to solve the problems of psychological and pedagogical support of the educational process in institutions of various types, psychological support of all subjects, psychological and pedagogical assessment of pedagogical activity and educational results of various institutions;
- to form students' system knowledge and critical assessment of modern problems studied and discussed in the framework of specialization in pedagogy and psychology of higher education;
- to form a comprehensive understanding of the methods used for the analysis and study of current problems of education among students;
- to form students' ability to carry out independent scientific research and competence in formulating their own conclusions on this specialization;
- to form the ability to develop, conceptualize and implement projects to create new knowledge of significant scientific importance in this field;
- to form the ability to contribute to the development of the newest areas of pedagogy and psychology of the higher school of original scientific research;
- deepening of theoretical and practical training of doctoral students.
- possess the knowledge, skills and abilities necessary to occupy an appropriate managerial position and based on a deep understanding of the features of the market economy and its capabilities, functions and economic role of the state, understanding of environmental problems, awareness of the social responsibility of business and commitment to civilized ethical standards of its conduct:

As a result, the student must have the following skills, knowledge and skills:
- to know the psychological and pedagogical patterns and mechanisms of interpersonal interaction in the conditions of professional activity;
- regularities of psychological and pedagogical phenomena and processes;
- to know the achievements of the world system of higher education;
- to know the specifics of the formation and development of education in the Republic of Kazakhstan at the present stage, in terms of integration into the world community;
- be able to make qualified conclusions on topical issues in the psychological and pedagogical field, often in the absence of complete data, be able to clearly express their ideas and conclusions, both for specialists and non-specialists;
- be able to use modern technologies for diagnostics and evaluation of the quality of the educational process, taking into account the experience of international and foreign research;
- conduct mini-studies on topical issues of pedagogy and psychology of higher education;be able to conduct a comparative pedagogical study of

education reforms in the world;
- be able to identify priority areas, problems and prospects of the educational policy of the Republic of Kazakhstan;
- be able to conduct a comparative pedagogical study of education reforms in the world;
- be able to assess individual problems of reforming secondary and higher education in Kazakhstan and give their recommendations on deepening the reform of secondary and higher education;
- be able to identify trends in the development of education;
- be able to analyze the research policy of Kazakhstan;
- critically evaluate the process of research development in education;
- possess the skills of psychological and pedagogical research expertise;
- possess the skills of using appropriate information technologies for project management.
- possess the skills of theoretical analysis, identification of problems and trends in the development of theory and practice of higher education;
- conduct comparative pedagogical research on relevant topics.
- possess the skills of a comprehensive analysis of the process of reforming the Kazakh education system and its international cooperation.
- possess knowledge about the examination of the educational process, about the examination of innovations in education, the functions and procedures of the examination;
- possess the skills of using scientifically based methods in psychological and pedagogical activities;
- possess modern science-based technologies for organizing the collection of professionally important information, data processing;
- possess modern technologies of design and organization of scientific research in professional activity

be competent:
- in the implementation of psychological and pedagogical diagnostics and the design of pedagogical situations, in the rational choice of optimal forms, methods, methodology, means of teaching and upbringing, creative solution of problematic psychological and pedagogical tasks; study and accumulation of professional experience; organization and implementation of self-knowledge and self-development based on reflection of behavior and activity; in solving complex professional tasks.
- possess personal qualities and systemic skills necessary for employment in areas requiring personal responsibility and significant independent initiative in complex and unpredictable professional situations.

II. THE GRADUATE'S COMPETENCE MODEL

1) KEY COMPETENCE

To know:
- general ideas about the subjects, methods of teaching it and assessment tools for students;
- plan the process of teaching/learning and education;
- to create a safe, favorable learning and developing environment, to implement the learning and upbringing process; to evaluate the educational achievements of students; about the goals of cooperation in the learning and upbringing process;
- criteria for the effectiveness of the educational environment of the educational organization;
- criteria and forms of destructive communities;
- to promote knowledge-based technological, social or cultural development of society in the academic and professional context.

Be able to:
- To form an idea of the worldview position on professional, socio-psychological, pedagogical, multicultural, research competencies and self-development competencies;
- professionally solve practical problems and implement these solutions, be prepared for the implementation of management functions and be able to solve professional problems in the interests of the organization as a whole;
- be able to assess the current problems and prospects of socio-economic development of Kazakhstan, understand the current trends in the development of the world economy and globalization, navigate issues of international competition.
- possess strategies for creating an inclusive environment and involving students/pupils in the process of teaching and upbringing, theoretical knowledge and practical skills of effective teaching in a multilingual environment that ensures high-quality assimilation of the subject, language and cultural values.
- the language of teaching at a professional level;
- to provide a safe educational environment;

Skills:
- - possess the methodology of a systematic approach to the organization, modern approaches to management and analytical management methods, methods of diagnosis, analysis and problem solving, as well as methods of decision-making and their implementation in practice;
- - critically analyze, evaluate and synthesize new and complex ideas;
- - communicate their knowledge and achievements to colleagues, the scientific community and the general public;
- - to build the process of teaching, training, education, taking into account the individual characteristics of students /pupils;
- - understanding scientific speech and reading scientific literature, identify and correlate with the latest achievements of science, modern methods and techniques of scientific research, possess the skills of processing and interpreting the results of experimentmethods of evaluation during development;
- - effective strategies for the formation of students'/pupils' skills of applying knowledge in everyday life. To apply information technologies in the educational process to expand the possibilities of education and upbringing.
- - plan the educational process in accordance with the goals of education and upbringing. To select teaching/upbringing technologies and assessment strategies in accordance with the goals of training and upbringing, taking into account the individual characteristics and needs of the student/pupil. involvement of colleagues, students/pupils and parents /legal representatives in the educational process. achieving the goal of teaching and upbringing in the

lesson / lesson.
- prepare, conduct and participate in scientific and methodological activities in the organization of education and beyond;
- to increase the psychological and pedagogical competencies of participants in the educational process;
- to organize methodological material for the formation of comfortable conditions of the educational environment and to improve the psychological and pedagogical culture of the organization of education.
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2) RESEARCH COMPETENCE
To know:
- philosophy of science and education;
- methodology of psychological and pedagogical research;
- methodology of fundamental and applied research in a special field;
- methods of compilation and development of research projects;
- methods of organizing and conducting scientific research in the field of pedagogy, psychology and in the special field

Be able to:
- demonstrate a systematic understanding of the field of study, mastering the skills and research methods used in this field;
- to form the skills of written and oral speech activity in the scientific field;
- demonstrate the ability to think, design, implement and adapt an essential research process with a scientific approach;
- to show respect for the global cultural values of Kazakhstan;
- use scientifically-based methods of psychological and pedagogical activity;
- integrate the richness of the Kazakh culture and language, other cultures and languages of the people of Kazakhstan into the process of education and upbringing, observe the principles of academic integrity and zero tolerance for corruption; lead to professional and ethical standards and also possess the skills: show respect for the personality of students/ pupils and their parents / legal representatives, responsibility for academic success and education of students/pupils;
- to be responsible of the pedagogical community for the educational and educational process and to activate in relation to changes and introduce innovations to improve the educational and educational process;
- risk management in the training and upbringing of students/pupils;
- have skills of self-regulation, stress resistance;
- modern science-based technologies for organizing the collection of professionally important information, data processing, their internalization, gnosiological foundations of research;
- develop your own original research to expand the boundaries of the scientific field;
- predict the results of scientific research;
- to apply qualimetric tools in the evaluation of methods of psychological and pedagogical research in the implementation of professional activities;
- to choose methodological technologies of pedagogical innovations for high-quality design of pedagogical processes

3) PROFESSIONAL COMPETENCE
To know:

- classification of the main stages of the development of psychological and pedagogical activity, the normative foundations of professional training, explains and analyzes the work of scientific schools in the relevant field of knowledge;
- uses the basic concepts of quality management in education; applies the basic laws in the field of quality management of education, analyzing their theoretical and practical developments;
- reflection on your own practice and the practice of colleagues;
- quality management of self-development and striving for leadership;
- to draw up a psychological conclusion and, if necessary, to generalize the general condition of students;
- psychological and pedagogical rules, forms and methods of consulting practice;
- observe the ethics and principles of psychological assistance;methods of organizing and conducting scientific research in the field of pedagogy, psychology and in the special field
- ways to reduce the risks of various forms of destructive behavior of minors and participants in the educational process;
- methods and technologies of organizing and conducting research activities;
- define educational tasks for conducting research activities;
- choose the necessary research methods;
- make strategic decisions in favor of providing effective assistancemake strategic decisions in favor of providing effective assistance

Skills and abilities:
- develops new knowledge in a special field, in the field of theory and methods of vocational education;
- predicts the results of scientific research in the context of social, economic, environmental consequences of the introduction of scientific results into practice; directs scientific research of students, undergraduates, doctoral students to conduct psychological observation;
- develop and implement experimental research schemes;
- apply in practice a variety of additional methods of psychological research (testing, interviews, questionnaires, etc.);
- competently and psychologically correctly conduct various forms of psychological counseling;
- carefully and correctly apply the tools and tools of psychological diagnostics;
- to carry out comprehensive monitoring based on psychological and pedagogical diagnostics, analysis and synthesis; to be capable of pedagogical reflection;
- computer psychodiagnostics and skilled work with computer diagnostic systems with subsequent psychological interpretation of large data sets
- the ability to participate in scientific discussions in academic and professional environments, as well as to publish the initial results of research in academic publications of various levels;
- the ability to be responsible for the results of professional activity;
- ability for successful and positive business communication in the state and other languages;
- sociability, tolerance, oratorical skills;
- a high degree of activity in the development and application of new methods, forms and means of education and upbringing;

EXPECTED RESULTS (graduate competencies)

After successful completion of this educational program 8D01101 "Pedagogy and Psychology", the doctoral student will be able to:

ON 1   To use qualimetric tools in evaluating methods of psychological and pedagogical research in the implementation of professional activities; to choose methodological technologies of pedagogical innovations for the qualitative design of pedagogical processes.

ON 2   To form an idea of the worldview position on professional, socio-psychological, pedagogical, multicultural, research competencies and self-development competencies.

ON 3   Classifies the main stages of the development of psychological and pedagogical activity, the normative foundations of professional training, explains and analyzes the work of scientific schools in the relevant field of knowledge; uses the basic concepts of quality management in education; applies the basic laws in the field of quality management of education, analyzing their theoretical and practical developments.

ON 4   Use scientifically-based methods of psychological and pedagogical activity; possess modern scientifically–based technologies for organizing the collection of professionally important information, data processing, their internalization, gnosiological foundations of research.

ON 5   Develop their own original research to expand the boundaries of the scientific field, predict the results of scientific research.

ON 6   To form the skills of written and oral speech activity in the scientific field, understanding scientific speech and reading scientific literature, to identify and correlate with the latest achievements of science, modern methods and techniques of scientific research, to possess the skills of processing and interpreting the results of the experiment.

ON 7   To form professionally significant personality qualities in students, to develop professional skills and abilities, as well as the needs for pedagogical self-education, to organize creative, research approaches to pedagogical and psychological activities.

Table 1. The sequence of mastering disciplines in the process of forming special competencies

№	Competencies	The list of compulsory, elective disciplines and the sequence of their study		Expected results
		List of disciplines	term	
1	research	Scientometrics	2	**to know:** basic concepts: scientometry, scientific citation index, Hirsch index, impact factor, etc.; the main international scientometric databases; requirements for the registration of scientific results for entering them into databases, the content of the goal-setting process of professional and personal development, its features and methods of implementation in solving professional tasks **be able to:** determine the scientific citation index and the impact factor of journals; find and analyze information about their publications and publications on the topic of their research; navigate scientometric databases and use built-in tools, follow the principles of scientific ethics, make personal choices in moral and value situations arising in the professional field **possess:** skills of working with scientometric databases; methods of searching for scientific information in electronic catalogs, databases and the Internet; scientometric methods of analyzing publication activity; an idea of the main methods of evaluating scientific activity.
2	research	Research practice	4	**be able to:** organize, plan and implement the process of scientific research; apply modern scientific tools to solve practical problems in the field of research; analyze and process information from various sources; use modern software when conducting scientific research; analyze, evaluate and compare various theoretical concepts in the field of research and draw conclusions. **possess:** methods of collecting, analyzing and generalizing scientific material for: independent research; development of scientifically sound proposals and scientific ideas for the preparation of a doctoral dissertation; scientific modeling using modern scientific tools; publication of scientific articles in peer-reviewed journals; - preparation of public speeches with scientific reports at international conferences. scientific writing and scientific communication; planning, coordination and implementation of research processes; systematic understanding of the field of study and demonstrate the quality and effectiveness of selected scientific

				methods.
3	professional key	Psychological readiness for professional pedagogical activity	2	**to know:** the theoretical foundations of the psychology of professional activity; to know the basic categories of the psychology of professional activity; features of professional deformations of personality, decrease in professional performance; **be able to:** adapt modern scientific achievements to the educational process; update and implement theoretical and empirical psychological knowledge in the pedagogical process; **skills:** improving and developing their scientific potential. ways to replenish professional knowledge based on the use of theoretical sources, including electronic ones.
4	professional key	Research culture of the teacher	2	**to know:** the theoretical foundations of the organization of research activities; current trends in the development of the educational system; the principles of designing new curricula and developing innovative methods of organizing the educational process; the principles of using **be able to:** use experimental and theoretical research methods in professional activities; adapt modern achievements of science and high-tech technologies to the educational process; master the resources of educational systems and design their development; **skills:** to master modern methods of scientific research; methods of analysis and critical evaluation of various theories, concepts, approaches; technologies for conducting experimental work, participation in innovative processes

Table 2. Sequence of mastering disciplines of social and professional interaction

Course	Providing disciplines	Competencies	Expected results
1	Academic writing	key	**to know:** the basic concepts of the course, the goals and objectives of analytical text processing in the modern information space; the main features of academic writing genres and language norms; stylistic features of academic writing genres; principles of communicative organization of scientific texts of different genres; rules for compiling bibliographic descriptions of printed publications and electronic resources, design of bibliographic footnotes. **be able to:** determine the genre belonging of the text to the sphere of professional information; identify keywords, style-forming elements of texts and perform their semantic analysis; summarize information and convey the content of texts in the form of annotations, reviews, etc.; analyze academic text from the standpoint of stylistics and composition, the author's research strategy, inclusion in the scientific tradition; distinguish between "own" and a "foreign" word in a scientific work and competently use other people's works in their own text; to select language means depending on the goals and conditions of communication. **possess the skills of:** structural, semantic, linguistic and communicative text analysis; bibliographic description of printed publications and electronic resources; independent creation of academic text in accordance with the peculiarities of the genre and the norms of the literary language; competent scientific citation; independent search for scientific information and its processing; work with printed and electronic resources; text structuring and building logical relationships in the text; public presentation and discussion of scientific work.
2	Scientific research methods	research, professional	**to know:** special historical research methods and their examples, the formulation of the research problem; the theoretical and practical significance of the topic; **be able to:** identify objects and subjects of research; identify research topics; analyze and compare the relevance and scientific novelty of research; **possess the following skills:** possess the basic skills of scientific analysis of research; willingness to use the chronological and territorial framework of research; independently assess the level of scientific development of the topic; selection of methodology and research methods; determination of the structure of research;

2	Pedagogical practice	key	**to know:** the legal and regulatory foundations of the functioning of the higher education system; the procedure for implementing the main provisions and documents regulating the activities of the university to improve educational, methodological and scientific work at the university; modern approaches to modeling scientific and pedagogical activities; the organization of planning, management and provision of the educational process using the latest learning technologies; basic principles, methods and the forms of organization of the scientific and pedagogical process in an economic university. **be able to:** use the interrelationships of research and educational processes when presenting the subject material, including the possibility of attracting their own scientific research as a means of improving the educational process; carry out methodological work on the design and organization of the educational process; structure and competently transform scientific knowledge into educational material. **possess:** the skills of scientific-methodical and educational-methodical work in higher education: methodology and technology of conducting (lectures, seminars, practical classes, discipline)
1	Pedagogical qualimetry and quality management of education	research, professional	**to know:** methods of search, critical analysis and synthesis of information, application of a systematic approach based on a scientific worldview in solving problems of professional activity; **be able to:** select qualimetric tools for professional activity and research; explain and analyze the basic concepts of quality management in education; apply the basic laws in the field of quality management of education; analyze and diagnose the causes of pedagogical problems; evaluate the proposed management solutions in the field of quality of education, develop and justify proposals for their improvement, taking into account the criteria of effectiveness and to analyze and evaluate the compilation of prognostic maps of the qualitative development of educational systems; to monitor and master the methods of assessing progress in improving the quality of education.
1	Actual problems of modern pedagogical and psychological science	research, professional	**to know:** the general methodological foundations of psychology, the subject of theoretical psychology, the connection of theoretical and empirical knowledge; the categorical system of psychology and the main categories (category of need, category of image, category of image, category of action, category of motive, category of relationship, category of experience, category of activity, category of communication, category of personality); explanatory principles of psychology (the principle of determinism, the principle of consistency, the principle of development); key problems of theoretical psychology (psychophysical problem, psychophysiological problem, psychognostic problem); key problems of practical psychology (problems of advisory psychology and

			legal psychology);
			be able to: navigate the methodological foundations of psychological science; use the basic categories of psychology in theoretical research; to apply the explanatory principles of psychology in their own research; to design the problem field of their research taking into account the existing topical theoretical and practical problems of modern psychology; **possess:** skills of applying explanatory principles of psychology in their own research; skills of identifying actual problems of practical psychology in selected areas of research and practice.

2. List of modules included in the educational program of scientific and pedagogical doctoral studies

№ module	Name of the module	List of disciplines included in the module	block	term	Volume of loans	Form of control	Total credits by module
M 1	Organization and management of professional activity	Pedagogical practice	BD UC	3	10	Report	15
		1. Psychological readiness for professional pedagogical activity 2. The research culture of the teacher	PD CC	1	5	Exam	
M 2	Research activities	Academic writing	BD UC	1	5	Exam	143
		Research work of doctoral students, including internships and doctoral dissertation	RWDS	1-6	123	диф/з report	
		1. Pedagogical qualimetry and quality management of education 2. Actual problems of modern pedagogical and psychological science	BD CC	1	5	Exam	
		Research practice	PD UC	4	10	Report	
M 3	Methodology and methods of research	Methods of scientific research	BD UC	3	5	Exam	10
		Naukometrics	PD UC	2	5	Exam	
M4	Final certification	Preparation of a doctoral dissertation Defense of a doctoral dissertation	FC	6	10 2	Protection	12
					Total :		180

Значение:
BD - **Basic disciplines**
PD - **Profile disciplines**
UC - **University component**
CC - **Component of choice**
RWDS - **Research work of a doctoral student, including internship and doctoral dissertation**
FC - **Final certification**