

MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC OF KAZAKHSTAN

KARAGANDA UNIVERSITY OF THE NAME OF ACADEMICIAN Y.A.BUKETOV



«AGREED»

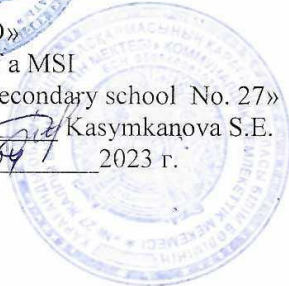
Director of a MSI  
«Special boarding school No. 2»  
of the Department of Education of the Karaganda region  
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«08» 09 2023 y.

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«04» 09 2023 r.



«CONFIRMED»

Chairman of the Management Board – Rector  
of Karaganda University  
of the academician of Y.A. Buketov  
N.O. Dulatbekov

«05» 2023 year

EDUCATIONAL PROGRAM  
«7M01901 – Defectology»

Level: Master's Degree

Karaganda, 2023

**The educational program «7M01901-Defectology» was developed on the basis of:**

- The Law of the Republic of Kazakhstan on Education (No. 319-III of July 27, 2007);
- The State mandatory standard of Postgraduate Education (Order No. 2 of July 20, 2022);
- Standard Rules for the activities of educational organizations of the relevant Types (Order No. 595 of October 30, 2018);
- Rules for the organization of the educational process on credit technology (Order No. 152 of April 20, 2011);
- Classifier of training areas with higher and postgraduate education (Order No. 569 of October 13, 2018);
- Professional standard «Teacher» (Order No. 500 of December 15, 2022).

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## Passport of the educational program

№	Name of the parameter	Description
1	Code and name of the educational program	7M01901 Defectology
2	Code and classification of the field of education, areas of training	7M01 Pedagogical Sciences, 7M019 Special
3	Group of educational programs	pedagogy
4	Volume of loans	M021 Special Pedagogy
5	Form of training	120
6	Language of instruction	full - time
7	Degree awarded	Kazakh, Russian
8	Type of EP	Master of Pedagogical Sciences
9	The level according to the ISCE	current
10	The level according to the NQF	Level 7
11	The level according to the IQF	Level 7
12	Distinctive features of the educational program	
13	The number of the appendix to the license for the direction of training	№KZ83LAA00018495 application 016, 28.07.2020
14	The name of the accreditation body and the validity period of the accreditation of the educational program	<b>Independent Agency for Quality Assurance in Education, №SA-A №0156/4, 27.05.2019г. - 24.05.2024г.</b>
15	The purpose of the educational program	Preparation of masters with fundamental and applied knowledge in the field of special pedagogy, capable of carrying out correctional and pedagogical activities at a high level.
16	Qualification characteristics of the graduate	
a)	List of graduate positions	defectology, teacher-defectology, teacher, methodologist
б)	Spheres and objects of professional activity of the graduate	Organizations of higher education, correctional/special school and preschool educational organizations for children with intellectual disabilities, hearing, vision, speech, musculoskeletal system, with mental retardation), etc.
в)	Types of professional activity of the graduate	scientific research; teaching; organizational and educational;

		<p>consultative, diagnostic and preventive; correctional and developmental;  socio-pedagogical;  cultural and educational;  organizational and managerial</p>
	<p><b>Functions of a graduate's professional activity</b></p>	<ul style="list-style-type: none"> <li>- educational – translates educational information, teaches independent search for the necessary knowledge, skills and abilities, constructs training sessions taking into account the necessary communicative competence of students, uses new learning technologies required within the updated content of education;</li> <li>- educating – introduces students to the system of social values, observes pedagogical tact, rules of pedagogical ethics, shows respect for the individual and personal qualities of students, builds the educational process taking into account the priorities of the country;</li> <li>- methodical – provides methodological support for the educational process, plans to improve their skills, determines methods and techniques, develops educational materials in accordance with the set goals of classes, etc.;</li> <li>- research – studies the level of assimilation of educational content by students, explores the multicultural educational environment, uses the results of diagnostics of individual characteristics of students;</li> <li>- social and communicative - interacts with the professional community and with all interested parties of education, initiates and implements innovative ideas that unite stakeholders of education, etc.</li> </ul>

## Formulation of learning outcomes based on competencies

Type of competencies	Learning result code	Learning result (according to Bloom's taxonomy)
1. Behavioral skills and personal qualities: (Softskills)	LR 1	Demonstrates an interdisciplinary, multicultural worldview based on a deep understanding of the history and philosophy of scientific thinking as part of universal culture
	LR 2	Has the skills of interpretation of pedagogical activity, analysis of individual stylistic features of representatives of modern higher education
	LR 3	Has the skills of independent analytical work in the field of pedagogy and management psychology
	LR 4	Uses a foreign language as a means of personal and professional communication; is able to work in a team, tolerantly perceiving social, ethnic, confessional and cultural differences
2. Digital competencies: (Digitalskills)	LR 5	Applies the methodology of information and computer technologies in the subject area; has a logical culture of thinking, methods of analysis and synthesis of information, ways of working with information in global computer networks and remote technologies in special education
3. Professional competencies: (Hardskills)	LR 6	Speaks professional foreign terminology in the field of special and inclusive education
	LR 7	Uses methods and approaches of practical application of commercialization tools in market conditions based on the effective use of the potential of markets
	LR 8	Analyzes and demonstrates the experience and results of innovative activities of educational institutions; applies various types of innovations and innovative experience of schools in Kazakhstan
	LR 9	Projects pedagogical activity on the basis of special scientific knowledge and research results
	LR 10	Demonstrates the ability to design, implement and adapt the results of inclusive research into professional activities
	LR 11	Expands psychological, pedagogical and scientific potential, transmits the result when teaching special disciplines; uses innovative forms and technologies in the process of teaching the basics of presentation of educational material in the implementation of inclusive education.
	LR 12	Provides timely assistance to children with speech development disorders and advisory and methodological support to their parents in organizing the upbringing and education of a child in preschool; applies effective technologies of correctional and developmental work with children of the infant risk group, early age with OOP in the conditions of modern organizational forms of preschool education
	LR 13	Demonstrates technologies for identifying and overcoming disorders of oral and written speech and filling gaps in educational activities, preventing the transition of these problems to subsequent stages of learning
	LR 14	Applies methods of managing stressful situations, uses techniques to reduce the impact of stress arising in the framework of management activities
	LR 15	Substantiates and uses methods of evaluation, selection, planning of implementation and implementation of innovative ideas in the management of educational systems in special education; applies a correctional and developmental system of methods, methods, teaching methods, educational tools aimed at achieving a positive result due to dynamic changes in the personal development of a child in modern socio-cultural conditions

### Determination of modules of disciplines in accordance with the results of training

Learning result code	Name of the module	Name of disciplines	Volume (ECTS)
LR 1	Philosophical and historical aspects of social and humanitarian knowledge	History and philosophy of science	4
LR 2 LR 3	Philosophical and historical aspects of social and humanitarian knowledge	Higher school pedagogy	4
		Management Psychology	4
		Pedagogical practice	4
LR 4	Professional languages	Foreign language (professional)	4
LR 6		Professional foreign terminology in the field of special pedagogy	5
LR 5		Features of terminology translation in the field of vocational education	5
LR 7	Commercialization and Innovation in Special Education	Commercialization of the results of scientific and technical activities	5
		Commercialization of educational innovations in defectology	
LR 8		Innovation in special pedagogy	5
		Information technologies in special education	
LR 10	Methodological foundations and methods of scientific knowledge in modern special pedagogy and psychology	Methodological foundations and methods of scientific research in special pedagogy and psychology	5
LR 9		Scientific and methodological foundations of inclusive education	5
LR 11		Methods of teaching special disciplines	4
LR 13 LR 14	Means of ensuring the educational process	Organization and technologies of speech therapy service (in English)	5
		Correctional and speech therapy service of preschool educational institutions	
LR 12		Technology of providing the system of early correctional and pedagogical assistance	5
		Early psychological and pedagogical assistance to families and children with special educational needs	
LR 13		Means of ensuring the correctional and pedagogical process	5
LR 12		Modern system of special educational services	
LR 13		Stress management in the work of a teacher	5
		Stress management in the activities of a special teacher	
LR 15		Management and evaluation of the quality of special education	5
		Modern correctional and developmental technologies in educational organizations	
LR		Research practice	14

8,9,11,12,13,14,15			
LR 8,9,11,12,13,14,15		Research work of a master's student, including internship and completion of a master's thesis	24
LR 8,9,11,12,13,14,15	Research work	Preparation and defense of a master's thesis	8

### Matrix of achievability of learning outcomes

NN	Name of disciplines	Brief description of the discipline (30-40 words)	Number of credits	LR 1	LR 2	LR 3	LR 4	LR 5	LR 6	LR 7	LR 8	LR 9	LR 10	LR 11	LR 12	LR 13	LR 14	LR 15
<b>Cycle of basic disciplines University component</b>																		
D1	History and philosophy of science	It is studied in order to form knowledge about the importance of scientific knowledge in its tendency to development and changing socio-cultural profile. The questions of philosophy, methodology of science, science as cognitive activity and tradition, as a social institution and a special sphere of culture in modern civilization are considered.	4	+														
D2	Higher school pedagogy	It is studied in order to form ideas about the modern paradigm of higher education and the theory of scientific activity in higher education. The issues of pedagogy, education of professional specialists, professional skills of teaching in educational organizations, pedagogical control and assessment of knowledge in higher education are considered.	4		+	+												
D3	Psychology of management	It is studied in order to form knowledge about the psychological patterns of managerial activity, the specifics of the use of socio-psychological knowledge in the structure of the manager's activity, the skills of analyzing the socio-psychological principles underlying effective management, theoretical positions and current problems of management psychology; features of management psychology; personal characteristics of the head.	4		+	+												



D4	Pedagogical practice	Pedagogical practice introduces the content of the educational process in a higher educational institution, scientific and educational work, with the peculiarities of the teacher's pedagogical activity, with innovative teaching technologies in higher education, study the specifics of educational work with students, the peculiarities of professional formation	4		+	+												
D5	Foreign language (professional)	It is studied in order to develop speaking, reading, writing and listening skills for effective communication in situations of professional communication, work with specialized literature in various fields, translation of texts in the specialty, oral two-way translation in situations of professional communication.	4				+											
<b>Cycle of basic disciplines</b>																		
<b>Component of choice</b>																		
D6	Professional terminology in the field of special and inclusive education	The course is studied in order to form knowledge of topical issues of translation studies, skills of professionally-oriented translation in the field of defectology. The features, main types, techniques, translation transformations, translation practices in defectological texts are considered. The skills of applying the methods of untranslated borrowing, calculus, transformational and descriptive translation in the direction of "Defectology" are being formed.	5					+										
D7	Specifics of terminology translation in defectology	The course is designed to study the scientific, theoretical and practical foundations of terminology and terminology, the essential characteristics of terminological systems in the field of special and inclusive education. The key concepts of professional terminology, structural and linguistic parameters, areas of fixation and functioning of the term, the main ways of term formation in special and inclusive education are considered.						+										
D8	Commercialization of results in scientific and scientific-technical	The course is designed to study the basic principles, strategies, technologies and modern practices of commercialization of the results of							+									

	activities in defectological science	scientific and scientific-pedagogical activities in special and inclusive education. The stages, forms, methods and participants of commercialization are considered; features of the licensing market, assessment of the commercial potential of business ideas and planning of innovative projects.	5															
D9	Commercialization of educational innovations in defectology	The course is studied in order to form competencies in the field of commercialization of the results of innovative defectological projects, knowledge of the technology for implementing innovations in the field of defectology. The characteristics of the main methods, technologies and models of commercialization of applied scientific developments in defectology, the mechanisms of supply and demand in the market of educational innovations are considered.									+							
D10	Innovations in Special and Inclusive Education	The course is designed to study innovative processes in modern education; innovative pedagogical activity; individual style of innovative activity; psychological barriers in the field of education; planning, organization and resource provision, as well as the formation of skills for the development and implementation of methodological models, teaching technologies; design of educational programs.	5									+						
D11	Information technologies in defectology	The course is studied in order to form the knowledge and capabilities of specialized and basic programs of the Windows office suite; methodological ways and methods of using the studied programs and the provisions of the methodology of school informatics in relation to the qualification training of children with developmental disabilities										+						
<b>Cycle of profile disciplines University component</b>																		
D12	Methodological foundations and methods of scientific research in special pedagogy and	The course is designed to study the methodology of special pedagogy and psychology, levels and types of pedagogical research, as well as methods of pedagogical research in special pedagogy and	5										+					

	psychology	psychology. The initial positions are being mastered in special pedagogy and psychology. The key concepts of methodology, universal method of cognition, empirical scientific methods are considered																
D13	Scientific and methodological foundations of inclusive education	The course is designed to master the methodology and methods of organizing scientific and methodological research. The key concepts, methods of theoretical and experimental research, analysis and design of scientific research; application of a system of principles and methods of constructing theoretical and practical activities in the implementation of inclusive education are considered.	5											+				
D14	Methods of teaching special disciplines	The course is designed to master a set of knowledge, skills and techniques that allow to increase the effectiveness of solving tasks aimed at the professional development of specialists; The choice of rational methods and means of teaching special disciplines. The use of innovative forms and technologies in the learning process. Managing independent work.	4											+				
<b>Cycle of profile disciplines</b>																		
<b>Component of choice</b>																		
D15	Organization and technologies of speech therapy service (in English)	The course is designed to study the organization, content, function of the speech therapy service of a preschool educational institution; research of children's speech development and implementation of correctional work with preschool children; control and diagnostic work; interaction of specialists of the correctional speech therapy service of a preschool educational institution, the use of methods of complex correction when working with specialists.	5														+	
	Correctional and speech therapy service of preschool educational institutions	The course is designed to study the organization of the speech therapy service of preschool educational institutions; research of children's speech development and the implementation of correctional work with preschool children, identifying the potential abilities of children with																+

		special educational needs to learn as a basic characteristic that determines the design of an individual educational route																
D16	Technology of providing the system of early correctional and pedagogical assistance	The course is intended for mastering the knowledge of early correctional work with children with a risk factor; taking into account the development of mental processes of young children, the formation of skills and abilities, the development of an individual development program and conducting correctional and developmental work with a child and the organization of medical rehabilitation	5															
	Early psychological and pedagogical assistance to families and children with special educational needs	The course is designed to study the peculiarities of the mental and personal development of children with special educational needs of infancy, early age; methods of psychological and pedagogical examination of infants, young children with special educational needs; methods and techniques for the development of children with special educational needs, techniques and methods of psychological and pedagogical examination																
D17	Means of ensuring the correctional and pedagogical process	The course is designed to study general concepts and teaching tools, principles of selection of teaching tools in special education, visual aids, groups of technical means in the correctional and pedagogical process. The key concepts and processes are considered, it is expedient to organize methodological ways to solve certain correctional and pedagogical tasks.	5															
	Modern system of special educational services	The course is designed to study the concepts of medical, social and pedagogical patronage, medical and social prevention and early comprehensive care, early care programs, diagnostics, information retrieval and assistance in choosing an educational route, designing individual rehabilitation and preventive programs.																
D18	Stress management in the work of a teacher	The course is designed to master the classical theory of stress by G. Selye; the syndrome of personal and behavioral deformations of stress																

		type; methods of prevention and correction of stress; criteria for assessing the impact of stress. The skills of analyzing the concepts of occupational health are being formed; an integrated approach to the study of the state of stress resistance.	5															
	Stress management in the activities of a special teacher	The course is designed to master the knowledge of the stages of stress development; classification of factors leading to stressful situations; methods of prevention of stressful situations; approaches to managing stressful situations at the level of the organization and personality																+
D19	Management and evaluation of the quality of special education	The course is designed to master the principles and concepts of the concepts of the theory of educational process management. The specifics of the management of educational systems in special education. It is studied in order to form the ability to analyze and form management judgments in special education, tolerance and the ability to pedagogical cooperation.	5															+
	Modern correctional and developmental technologies in educational institutions	The course is designed to master the theoretical and methodological foundations of correctional and developmental technology, technology of working with children with learning difficulties, the use of health-saving technologies, the study of technology of differentiated and personality-oriented learning; art-therapeutic technologies.																+
D20	Research practice	The practice is designed to form the skills of performing research work in accordance with the requirements; processing scientific and experimental results in the relevant subject area.	14								+		+	+	+	+	+	+
<b>Additional types of training</b>																		



LR 8	Analyzes and demonstrates the experience and results of innovative activities of educational institutions; applies various types of innovations and innovative experience of schools in Kazakhstan	round table	portfolio
LR 9	Projects pedagogical activity on the basis of special scientific knowledge and research results	of the conference	drawing up a flowchart
LR 10	Demonstrates the ability to design, implement and adapt the results of their own research into professional activities	excursion	report
LR 11	Expands psychological, pedagogical and scientific horizons, transmit results when teaching special disciplines; uses innovative forms and technologies in the process of teaching the basics of presentation of educational material	brainstorming	working in groups
LR 12	Provides timely assistance to children with speech development disorders and advisory and methodological support to their parents in organizing the upbringing and education of a child; applies effective technologies of correctional and developmental work with children of the infant risk group, young age with special educational needs in the conditions of modern organizational forms of preschool education	case-methods	colloquium
LR 13	Demonstrates technologies for identifying and overcoming disorders of oral and written speech and filling gaps in educational activities, preventing the transition of these problems to subsequent stages of learning	case-methods	colloquium
LR 14	Applies methods of managing stressful situations; uses techniques to reduce the impact of stress arising within the framework of management activities on the human body	case-methods	colloquium
LR 15	Substantiates and uses methods of evaluation, selection, planning of implementation and implementation of innovative ideas in the management of educational systems in special education; applies a correctional and developmental system of methods, methods, teaching methods, educational tools aimed at achieving a positive result due to dynamic changes in the personal development of a child in modern socio-cultural conditions	case-methods	colloquium

## Criteria for assessing the achievability of learning outcomes

Codes of learning result	Criteria
LR 1	Knows: basic concepts of modern philosophy
	Can: analyze individual stylistic features of representatives of philosophy
LR 2	Knows modern approaches, directions of the scientific school and individual author's concepts of the educational process
LR 3	Can: analyze the characteristic features of innovators of modern higher education
LR 4	Knows: ways to influence the behavior of an individual, group in order to achieve the effectiveness of the organization
LR 5	Can: make decisions within the framework of management principles and practical skills about modern forms and methods of management psychology in the organization
	Knows: general scientific terminology sufficient for the implementation of oral and written communication in the field of business/professional communication
LR 6	Knows: the concept of commercialization of results and innovative technologies
	Owns: an algorithm for evaluating the commercial potential of a business idea, business planning of innovative projects
LR 7	Knows: methodological foundations of innovation in special pedagogy
LR 8	Can: design educational programs, methodological models and individual educational routes
	Knows: innovative processes in modern education
LR 9	Owns: methodology of information and computer technologies in the subject area
	Knows: methodology, methods and methods of organizing scientific research
LR 10	Is able to: choose only scientifically based methods that ensure the receipt and analysis of objective data characterizing phenomena and processes
LR 11	Knows: the content of teaching methods, forms and methods of active and interactive learning, the specifics of credit training
	Can: demonstrate innovative forms and technologies in the process of teaching the basics of presentation of educational material
LR 12	Knows: organization and implementation of medical and social prevention and early comprehensive care early, correctional work with children with risk factor
	Can: design individual rehabilitation and preventive programs of primary care and correctional and developmental work
LR 13	Knows: features of the means of ensuring the correctional and pedagogical process and the system of special educational services
	Possesses: skills of classification and application of teaching aids in special education
LR 14	Knows: the classical theory of managing stressful situations
	Owns: methods of identifying stressful situations and methods of increasing stress tolerance in employees
LR 15	Knows: The organization of special education management and the structure of correctional and developmental work
	Proficient in: quality assessment methodology and correction technology in educational institutions



### The graduate model of the educational program

**The attributes of the graduate are developed (based on the results and competencies of the training):**

Attributes:

High professionalism in the field of special pedagogy

Active worldview and life position

High level of cultural development

Psychological (moral) stability and creativity (creativity)

Organizational skills and sociability

Interest in providing assistance

Tolerance and empathy (empathy)

Professional integrity and respect for persons with special educational needs

Types of competencies	Description of competencies
1. Behavioral skills and personal qualities (Softskills)	<ul style="list-style-type: none"> <li>- the ability to improve and develop the intellectual, general cultural level, to achieve moral improvement of the individual;</li> <li>- the opportunity to put into practice skills and abilities in the organization of research and production work, in team management, to influence the formation of team goals, to evaluate the quality of activities;</li> <li>- willingness to implement professional tasks of educational, health and correctional and developmental programs</li> </ul>
2. Digital competencies (Digital skills)	<ul style="list-style-type: none"> <li>- share data with others through digital technologies; use advanced tools and technologies to create a collaborative environment;</li> <li>- understand the risks in the digital environment; know about data security measures;</li> <li>- to establish, review, evaluate specialized data, information, digital content in specific professional fields in a digital environment</li> </ul>
3. Professional competencies (Hardskills)	<ul style="list-style-type: none"> <li>- the ability to navigate in the formulation, solution of scientific problems;</li> <li>- strive for self-education within the framework of professional and personal growth, designing an educational route in professional activity, participating in an experiment;</li> <li>- willingness to teach in educational institutions of secondary and higher education;</li> <li>- the ability to lead a team by implementing strategies of correctional and developmental impact.</li> </ul>

**Developers:**

Members of the working group:

Head of the Department of Special and Inclusive Education

 A.R.Rymkhanova

Senior Lecturer of the Department of Special and Inclusive Education  
Senior Lecturer of the Department of Special and Inclusive Education  
2nd year Master's student EP 7M01901-Defectology  
Deputy Director for educational work of MSI "Special boarding School No. 2" of the Karaganda region

*A.S. Kudarinova*  
*N.A. Sadvakasova*  
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*A.K. Abdrakhmanova*

The educational program was reviewed by the Faculty Council from 24.04.2023 protocol No. 10  
The educational program was considered at the meeting of the Academic Council from 28.04.2023 protocol No. 5  
The educational program was reviewed and approved at the meeting of the University Board from 30.05.23 protocol No. 1a

Member of the Board -Vice-Rector for Academic Affairs  
Director of the Department for Academic Work  
Dean of the Pedagogical Faculty

*T.Z. Zhusipbek*  
*S.A. Smailova*  
*S.A. Mulikova*

**EDUCATIONAL PROGRAM DEVELOPMENT PLAN  
7M01901-DEFECTOLOGY**

**The purpose** of the plan is to contribute to improving the quality of the conditions for the implementation of the educational program, taking into account the current requirements of the labor market and the achievements of modern science.

**Target indicators**

<b>№</b>	<b>Indicators</b>	<b>Units of measurement</b>	<b>2022-2023 (in fact)</b>	<b>2023-2024 (in fact)</b>	<b>2024-2025 (in fact)</b>	<b>2025-2026 (in fact)</b>
<b>1</b>	<b>Human resources development</b>					
1.1	Increase in the number of teachers with academic degrees	Number of people	2	2	-	-
1.2	Advanced training in the teaching profile	Number of people	9	10	-	-
1.3	Involvement of practitioners in teaching	Number of people	0	2	-	-
<b>2</b>	<b>Promotion of the EP in the ratings</b>					
2.1	<b>Independent Agency for Quality Assurance in Education</b>	Position	2	2	-	-
2.2	IARR	Position	-	-	-	-
2.3	Atameken	Position	11	6	-	-
<b>3.</b>	<b>Development of educational and scientific-methodical literature, electronic resources</b>					
3.1	Textbooks	Quantity	0	1	-	-
3.2	Training manuals	Quantity	0	1	-	-
3.3	Methodological recommendations/instructions	Quantity	0	1	-	-
3.4	Electronic textbook	Quantity	2	3	-	-
3.5	Video/audio lectures	Quantity	1	2	-	-
<b>4.</b>	<b>Development of educational and laboratory facilities</b>					
4.1	Purchase of software products	Quantity	0	1	-	-

4.2	Purchase of equipment	Quantity	0	1	-	-
<b>5.</b>	<b>Updating the content of the EP</b>					
5.1	Updating the results of training and the list of disciplines taking into account the requirements of the labor market, scientific achievements, professional standards	Year	+	+	-	-
5.3	Introduction of new teaching methods	Year	+	-	-	-

Head of the Department of Special and Inclusive Education



A.R.Rymkhanova