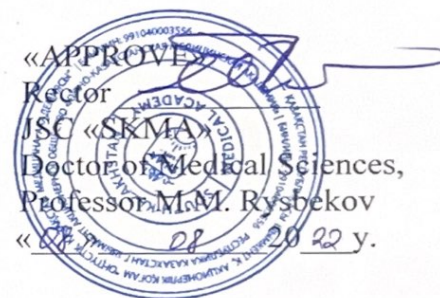


ОҢТҮСТІК ҚАЗАҚСТАН  
MEDISINA  
AKADEMIASY  
«Оңтүстік Қазақстан медицина академиясы» АҚ



SOUTH KAZAKHSTAN  
MEDICAL  
ACADEMY  
АО «Южно-Казakhstanская медицинская академия»



### EDUCATIONAL PROGRAM

Educational program code: 7M10141  
Name of the educational program: Nursing  
Level of the educational program: Master

Shymkent, 2022 y.

**The educational program was developed by the members of the CEP:**

Head of the Department of Emergency Medical Care and Nursing, Doctor of Medical Sciences, Associate Professor


Seidakhmetova A.A. 

**Agreed with the employer:**

Senior Nurse of the City Clinical Hospital No. 1

Meymasheva G.B. 

Republican Public Association Specialists of Nursing «Paryz»

Kuanyshbaeva A. 

Chief Nurse of the Regional Clinical Hospital

Muratbekova K.A. 

**Chairman of the CEP «Nursing»**

Protocol № 7 08 08 2022 y.

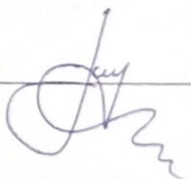
Seidakhmetova A.A. 

**Approved by the Scientific Council**

Vice-Rector by SCW

Protocol № 5a 08 08 2022 y.





**Approved by the Academic Council**

Protocol № 15 08 08 2022 y.

ОҢТҮСТІК ҚАЗАҚСТАН <b>MEDISINA</b> <b>AKADEMIASY</b> «Оңтүстік Қазақстан медицина академиясы» АҚ	 SOUTH KAZAKHSTAN <b>MEDICAL</b> <b>ACADEMY</b> АО «Южно-Казахстанская медицинская академия»	
«Nursing» educational programme committee		044-
Educational program		Page 3 of 20

## Passport of the educational program

- 1. Mission of the educational program:** To train highly qualified nursing specialists with research skills, professional competencies, who are able to successfully carry out pedagogical and research activities.
- 2. Purpose of the educational program:** Training of a qualified nursing specialist with professional competencies.
- 3. Rationale for the educational program:** Demand in the labor market: the educational program is focused on nursing specialists who are able to conduct scientific research and implement organizational and managerial technologies to solve complex problems of protecting public health and developing an effective healthcare system in Kazakhstan.
- 4. Professional standard on the basis of which the educational program has been developed:**  
*Regulatory documents for the development of an educational program*
  - Order of the Minister of Science and Higher Education of the Republic of Kazakhstan «On Approval of State Compulsory Standards of Higher and Postgraduate Education» dated July 20, 2022 No. 2.
  - Order of the Minister of Health of the Republic of Kazakhstan «On Approval of State Compulsory Standards for the Levels of Education in the Field of Healthcare» dated July 4, 2022 No. KR DSM-63.
  - Order of the Minister of Education and Science of the Republic of Kazakhstan «On Approval of the Rules for the Organization of the Educational Process on Credit Technology of Training in Higher and (or) Postgraduate Education Organizations» dated April 20, 2011 No. 152.
  - Law of the Republic of Kazakhstan «On Education» dated July 27, 2007 No. 319-III (as amended on 04.07.2022)
  - Order of the Minister of Education and Science of the Republic of Kazakhstan «On Approval of the Model Rules for the Activities of Higher and Postgraduate Education Organizations» dated October 30, 2018 No. 595 (as amended on 29.12.2021)
  - «Regulations on the Procedure and Procedures for the Development of Educational Programs» of JSC «SKMA» dated 29.05.2019.
  - Internal regulatory documents of JSC «SKMA»
- 5. Field of professional activity:** Health care organizers, heads of state and non-state medical and non-medical institutions. Scientific and research activities in universities.

**6. Objects of professional activity:** Organizations of health care management, organization of health care and social security, organization of higher and postgraduate education, organization of science.

***Types of professional activity:***

- organizational and managerial;
- scientific and research activities.

**General information**

№	Characteristics of the EP	Data
1	Registration Number	7M10100050
2	Code and classification of the field of education	7M10 Health care
3	Code and classification of the field of study	7M101 Health care
4	Group of Educational Programs	M141 Nursing
5	Code, name of the educational program	7M10141 Nursing
6	Type of EP	Current EP
7	ISCED level	7
8	NQF level	7
9	IQF Level	7
10	Distinctive features of the EP	No
	Partner University (JEP)	-
	Partner University (DDEP)	-
11	List of competencies	Key competencies of the graduate of the program: <b>KC1</b> Confidentiality and respect for human rights and values in nursing care for patients, families and the community.

		<p><b>KC2</b> Development of organizational policies and guidelines in line with current developments in nursing and professional standards, leadership in quality improvement programs, mentoring colleagues in the quality improvement process.</p> <p><b>KC3</b> Continuously update the current knowledge and competency base to integrate knowledge, skills, and attitudes/behaviors into nursing and healthcare to develop innovations in nursing care. Continuous use of research for ongoing professional development.</p> <p><b>KC4</b> A role model for effective communication with different people/groups to support interpersonal relationships and improve nursing care.</p> <p><b>KC5</b> Leverage organizational and community resources to implement innovative solutions and professional care plans to improve quality. Collaborate with healthcare team members to bring innovative electronic information technology to nursing practice.</p> <p><b>KC6</b> Identify a wide range of innovation-based research best practices to improve nursing care.</p> <p><b>KC7</b> Evaluation of practice based on different theories of nursing care in specialized areas of nursing that contributes to the development of nursing science.</p> <p><b>KC8</b> Apply research skills to improve the teaching and management of patients/children/groups in professional practice. Applying research skills to improve health promotion.</p> <p><b>KC9</b> Provide advanced specialized nursing care, apply research findings, and initiate research to develop specialized nursing strategies, policies, and services appropriate to their role.</p>
12	Learning Outcomes	<p><b>LO1</b> It is Able to apply the methods of student-centered learning (student - centered learning).</p>



		<p><b>LO2</b> Uses innovative technologies in professional activities.</p> <p><b>LO3</b> Uses modern information technologies and the principles of evidence-based medicine in scientific research.</p> <p><b>LO4</b> Summarizes the results and formulates conclusions and practical recommendations.</p> <p><b>LO5</b> Designs your further professional development.</p> <p><b>LO6</b> Integrates knowledge, to make decisions in their professional activities.</p> <p><b>LO7</b> Demonstrates knowledge and understanding, applies the principles of ethical regulation of research in the field of nursing practice.</p>
13	Form of study	In-person
14	Language of instruction	Kazakh, Russian
15	Amount of loans	120
16	Degree Awarded	Master of Medical Sciences in 7M10141 «Nursing»
17	Duration of training	2 years
18	Availability of an appendix to the license for the direction of personnel training	KZ36LAA00011387 (018)
19	Availability of EP accreditation	Yes
	Name of accreditation body	Independent Agency for Accreditation and Rating (IAAR)
	Accreditation Certificate No., Accreditation Validity Period	№AB 4129, 09.06.2020y. – 08.06.2025y.
20	Information about disciplines	Annex 1.2

*Annex 1*

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

	<b>LO1</b>	<b>LO2</b>	<b>LO3</b>	<b>LO4</b>	<b>LO5</b>	<b>LO6</b>	<b>LO7</b>
KC1							
KC2							
KC3							
KC4							
KC5							
KC6							
KC7							
KC8							
KC9							

*Annex 1.2*

### Matrix of achievability of competencies/learning outcomes

№	Name of the discipline	A brief description of the discipline	Cycle (BD, PD)	Component (UC, OC)	Number of credits	Generated LO (codes)
<b>The cycle of basic disciplines</b>					<b>35</b>	
<b>Mandatory / University component</b>					<b>20</b>	
1	History and philosophy of science	Philosophy and methodology of science as branch of philosophical knowledge. Structure of scientific knowledge. Scientific rationality. Features of the present stage of science development. Science as social institute. Natural sciences in structure of modern scientific knowledge. The history of formation of sciences about society, culture, history and person. Actual philosophical problems of specific sciences.	BD	UC	5	LO1 LO3
2	Foreign language (professional)	Extension and development of skills for practical usage proficiency language of specialty, for active application of a foreign language both in daily, and in professional communication: lexicon, grammar, possession of oral speech, written skills, audition, translation.	BD	UC	3	LO1 LO5
3	Pedagogics of the higher school	Pedagogics of the higher education. The main directions and trends of development of the higher education in the modern world. New paradigm of education. The higher	BD	UC	3	LO5



		education in the Republic of Kazakhstan. The essence and structure of pedagogical activity. The theory of training at the higher school (didactics). Modern educational technologies. The organization of educational process on the basis of the credit system of training. Education quality management system.				
4	Psychology of management	The essence of administrative processes. Object of psychology management. Psychology of activity of the organization head and of his personality psychology. Functional and structural analysis of administrative activity. The psychological problems arising between the head and the staff of the organization. A clear idea of distribution on responsibility levels of the manager.	BD	UC	3	LO6 LO7
5	Teaching practice	Master's students are involved in conducting classes in the bachelor's degree in order to form practical skills, teaching and learning methods.	BD	UC	6	LO1
<b>Optional Component (Module on Modern Aspects of Nursing)</b>					15	
6	Mental health in nursing	State social policy of the Republic of Kazakhstan. The concept of social and medical work in Kazakhstan. Legal and regulatory framework of social and medical work. Risk factors for health disorders. Provision of medical and social assistance to the family and its individual members. Social work in psychiatry, narcology, Oncology, geriatrics and other fields of medicine. Medical and social patronage. The importance of innovation in medical and social work.	BD	OC	5	LO5 LO7
7	Quality of life of	Palliative care: multi-level approach. Psychological	BD	OC	5	LO4

	incurable patients	screening. Demoralization. Mental disorders in palliative patients. Spiritual support for the sick and their families. Psychological reactions to the loss of loved ones. Communication with terminally ill people and their families. Teamwork and self-reflection. Psychotherapy in palliative care.				LO7
8	Legal problems in nurse business	Professional and legal regulation of nursing practice. Accreditation. Certification. Licensing and registration. Certification. Crimes and torts. Intentional torts. Indicators. Consent based on receipt of information. Forms of information consent. Unintentional misdemeanors. Legal protection of nurses. Contracts. Professional insurance. Competent practice.	BD	OC	5	LO4 LO7
9	Theory and principles of pedagogy in nursing education	Tasks of nursing education. Teaching method. Development of individual educational trajectory. Methods of assessment of knowledge, skills, attitudes, competencies and practical implementation. Features of teaching disciplines in the SD. Principles of organization of postgraduate and continuous professional development of Nursing professionals. Features of adult education. Self-education.	BD	OC	5	LO3 LO5
10	Disease management	Quality of life. Methods of support of functional abilities. Prevention of chronic noncommunicable diseases. Self-management. Teaching the patient and his family to manage chronic diseases.	BD	OC	5	LO4 LO7
11	Project	The modern concept of project management. Basic	BD	OC	5	LO3

	management in nursing	concepts and definitions. Processes of initialization, planning, monitoring and control, completion. Organization of project office, management of project portfolios, programs and multi-projects. Internet-technologies and software packages for project management. Computer is management of the projects.				LO4
12	Qualitative research in nursing	Philosophical foundations of qualitative approaches in nursing research. Data collection method. Methods of data analysis. Documentation of the qualitative research report. Reliability of qualitative research. Research ethics in qualitative research.	BD	OC	5	LO3 LO4
<b>Cycle of profile disciplines</b>					<b>49</b>	
<b>University component (General professional module)</b>					<b>35</b>	
13	Implementation of evidence-based nursing	Hierarchy of evidence (Evidence pyramid). Principles of clinical request formulation (PICO). Evaluation of the methodological quality of the study. Diagnostic and screening studies. Studies summarizing other studies. Introduction of evidence-based medicine and evidence-based nursing practice.	PD	UC	5	LO3 LO4
14	Methodology and methods of scientific research in the nursing	Fundamentals of national law in the field of scientific research. Fundamentals of international law in the field of scientific research. Descriptive and analytical studies. Systematic review. Metaanalysis. Information collection. Data processing. General requirements and rules of registration of research work. Reviewing research papers, report on the work, preparation of abstracts. Preparation of	PD	UC	5	LO6

		scientific materials for publication.				
15	Methodology of scientific research publications	Methodological foundations of scientific knowledge. Choosing the direction of scientific research. Search, accumulation and processing of scientific information. Work in databases: Republican interuniversity electronic library, Thomson Reuters, Springer Link, Science direct, Pub Med. Theoretical and experimental studies. Processing of experimental results.	PD	UC	5	LO6
16	Modern concepts and theories of nursing	The Emergence and development of theories of nursing. Analysis of nursing theories. The basic principles severskogo in the case of theory V. Henderson. Theory samochodu D. Yelling. Theory interpersonal aspects of nursing care D. Travelbee. Version of the concept of «nursing» D. Carnevali. K. Martinsens theory of care. Care as care. Theory K. Eriksson. Theory of diabetes: prospects of development.	PD	UC	5	LO4 LO7
17	Current trends in nursing	Study of current health trends affecting the present and future of nursing, review of opportunities and challenges in the education and activities of nurses, presentation of some possible strategies to overcome current problems. Development of research and scientific activities in SD, innovation, leadership, communication skills, evidence-based nursing practice, nursing guidelines.	PD	UC	5	LO5
18	Information and communication technologies and	Modern aspects of Informatization of medicine and nursing: information technology (it), classification of information systems of health facilities; medical arm And	PD	UC	5	LO2 LO3

	digitalization in health and nursing	integrated MIS; definition, objectives, basic concepts of medical information resources; information and telecommunication technologies and Internet resources for medicine and nursing; basics of telemedicine, information security.				
19	The modern paradigm of nursing	Evolution of nursing knowledge. Scientific theories and models of nursing. Reforms in nursing. Background and implementation of the reforms of nursing in the Republic of Kazakhstan at the present stage. Model of development of nursing service and nursing education in Kazakhstan. Nurse doctor partner, patient assistant.	PD	UC	5	LO2 LO5
20	Research practice	Familiarization with the latest theoretical, methodological and technological achievements of domestic and foreign science, modern methods of scientific research, processing and interpretation of experimental data and their application.	PD	UC	6	LO3 LO7
<b>Optional Component (Module on Modern Aspects of Nursing)</b>					<b>8</b>	
21	Rehabilitation of patients after stroke	Rehabilitation after stroke. Types of rehabilitation. The basic principles of a phased system of rehabilitation of patients after stroke. Comprehensive rehabilitation, rehabilitation programs after stroke. Organization of the process of rehabilitation of patients at the inpatient and outpatient stages.	PD	OC	4	LO4 LO6
22	Health promotion Nursing profession in the health care	Nursing in the health care system of the Republic of Kazakhstan. The subject, place and role of public health and prevention programmes. Organization and management	PD	OC	4	LO4 LO7

	system of the Republic of Kazakhstan	in the work of nurses. Fundamentals of evidence-based nursing practice, integrating scientific data with clinical sister experience and patient values, critical thinking and decision making. Compulsory social health insurance.				
23	Management and leadership in nurse business	Functions, principles and elements of the management process. Integration processes in management. Management systems: functions and organizational structures. Planning, SWOT analysis and forecasting in management. Management process. Management mechanism. Leadership and management style. Resources, quality and efficiency of management. Management information support system.	PD	OC	4	LO4 LO5
24	Emergency conditions: BLS, ACLS, PALS.	Basic resuscitation – Basis Life Support, Advanced cardiopulmonary resuscitation – Advanced Cardiac Life Support. Advanced CPR in Pediatrics – Pediatric Advanced Life Support. Recommendations of the European Council for resuscitation 2010. Fundamentals of clinical diagnosis of terminal conditions. Primary and secondary assessment of the patient, the victim. Closed heart massage. Reception Of Safar. Methods of defibrillation of the heart. Intubation of the trachea.	PD	OC	4	LO2
25	New technologies of activity of nursing staff	The role of information technology in medicine. Modern technology and nursing. Modern technologies of nursing process. Standards of operating procedures for nursing professionals at different levels of education. Development of SOPs activities.	PD	OC	4	LO2 LO3



26	Quality management of delivery of health care	Quality management system. The main functions of quality management. Categories, types, methods of nursing care quality management. Factors affecting the quality of nursing care. Criteria for assessing the quality of nursing care. The main ways and directions of improving the quality of nursing care. Quality management of current processes at the level of nurses. Expert assessment of the quality of nurses ' work.	PD	OC	4	LO2 LO3
27	Communication skills	Communicative competence of nursing specialists: key components, impact on the quality of medical services. Basic skills, strategy and technology patient-centered counseling (contact, manage interview, active listening, expression of empathy, commenting, communication and joint decision-making, the creation of a support plan, summing and feedback). Tools and strategies for effective interaction in the medical team.	PD	OC	4	LO1 LO6
<b>Research work</b>					<b>24</b>	
28	Master's research work, including internship and master's thesis	Planning research in nursing. Literature review. Research in nursing. Data collection and analysis. Methods of scientific research in nursing. Evaluation of the results of the study.			24	LO1 LO2 LO3 LO4 LO5 LO6 LO7
<b>Final examination</b>					<b>12</b>	
29	Design and defense of a master's thesis	Assessment of learning outcomes and key competencies achieved upon completion of the Master's degree program.			12	LO1 LO2 LO3 LO4 LO5 LO6 LO7
<b>TOTAL</b>					<b>120</b>	

**A matrix for achieving LO using various learning methods**

<b>LO</b>	<b>Teaching and learning methods</b>	
LO1 It is Able to apply the methods of student-centered learning (student - centered learning).	Discussion of tasks for group work and case study	Solving situational problems
LO2 Uses innovative technologies in professional activities.	Development and conduct of scientific research	Practical implementation of the analysis of health research
LO3 Uses modern information technologies and the principles of evidence-based medicine in scientific research.	Conducting trainings and seminars	Additional materials, resources and tasks for studying a selected topic
LO4 Summarizes the results and formulates conclusions and practical recommendations.	Group work: Undergraduates are divided into small groups to solve problems, discuss material and work together on projects	Feedback
LO5 Designs your further professional development.	Conducting seminars and discussions, feedback from the undergraduate	Solving situational problems
LO6 Integrates knowledge, to make decisions in their professional activities.	Publication in scientific publications	Writing theses, scientific articles Public appearances
LO7 Demonstrates knowledge and understanding, applies the principles of ethical regulation of research in the field of nursing practice.	Conducting seminars where students can discuss topics, solve problems in groups, analyze cases and exchange opinions, promotes active participation and independent thinking	Solving situational problems

*Annex 1.4*

### The matrix of compliance of LO with assessment methods

LO	Assessment methods	
LO1 It is Able to apply the methods of student-centered learning (student - centered learning).	Rating	Publications
LO2 Uses innovative technologies in professional activities.	Summary/presentation	Evaluation of the execution process Evaluation of scientific research
LO3 Uses modern information technologies and the principles of evidence-based medicine in scientific research.	Testing Oral interview	Observation
LO4 Summarizes the results and formulates conclusions and practical recommendations.	Oral interview	Feedback
LO5 Designs your further professional development.	Portfolio creation of a portfolio of works, including various types of projects, written works	Monitoring
LO6 Integrates knowledge, to make decisions in their professional activities.	Testing	Self-assessment
LO7 Demonstrates knowledge and understanding, applies the principles of ethical regulation of research in the field of nursing practice.	Analysis of the received data	Essay (short and long) The short answer

### Work plan for the entire period of study

The cycle of disciplines		Discipline code	Name of the discipline	Amount of credits	General hours	Practical lesson	IWM		1 year of study	2 year of study	Form of control
							IWMT	IWM			
1	2	3	4	5	6	7	8	9	10	11	12
<b>BD</b>	<b>UC/OC</b>	<b>BASIC DISCIPLINES</b>		<b>35</b>	<b>1050</b>	<b>350</b>	<b>210</b>	<b>490</b>	<b>35</b>		
		<b>University component (Interdisciplinary module)</b>		<b>20</b>	<b>600</b>	<b>200</b>	<b>120</b>	<b>280</b>	<b>20</b>		
	UC	M-HPS	History and philosophy of science	5	150	50	30	70	5		Exam
		M-FL	Foreign language (professional)	3	90	30	18	42	3		Exam
		M-HSP	Higher School Pedagogy	3	90	30	18	42	3		Exam
		M-PsM	Psychology of management	3	90	30	18	42	3		Exam
		<b>TP</b>	<b>Teaching practice</b>		<b>6</b>	<b>180</b>	<b>60</b>	<b>36</b>	<b>84</b>	<b>6</b>	
BD	OC	<b>1) Optional Component (Module on Modern aspects of nursing)</b>		<b>15</b>	<b>450</b>	<b>150</b>	<b>90</b>	<b>210</b>	<b>15</b>		
		M-MHN	Mental health in nursing	5	150	50	30	70	5		Exam
		M-QLIP	Quality of life of incurable patients	5	150	50	30	70	5		Exam
		M-LPNB	Legal problems in nurse business	5	150	50	30	70	5		Exam
		M-TPPNE	Theory and principles of pedagogy in nursing education	5	150	50	30	70	5		Exam
		M-DM	Disease management	5	150	50	30	70	5		Exam
		M-PMN	Project management in nursing	5	150	50	30	70	5		Exam
		M-QRN	Qualitative research in nursing	5	150	50	30	70	5		Exam
<b>PD</b>	<b>UC/OC</b>	<b>PROFILE DISCIPLINES</b>		<b>49</b>	<b>1470</b>	<b>490</b>	<b>294</b>	<b>686</b>	<b>19</b>	<b>30</b>	
		<b>University component (General professional module)</b>		<b>35</b>	<b>1050</b>	<b>350</b>	<b>210</b>	<b>490</b>	<b>15</b>	<b>20</b>	

UC	M-IEBN	Implementation of evidence-based nursing	5	150	50	30	70	5		Exam
	M-MMARN	Methodology and methods of scientific research in the nursing	5	150	50	30	70	5		Exam
	M-MSRP	Methodology of scientific research publications	5	150	50	30	70	5		Exam
	M-MCTN	Modern concepts and theories of nursing	5	150	50	30	70		5	Exam
	M-CTN	Current trends in nursing	5	150	50	30	70		5	Exam
	M-ICTDHN	Information and communication technologies and digitalization in health and nursing	5	150	50	30	70		5	Exam
	M-MPN	The modern paradigm of nursing	5	150	50	30	70		5	Exam
	<b>RP</b>	<b>Research practice</b>	<b>6</b>	<b>180</b>	<b>60</b>	<b>36</b>	<b>84</b>		<b>6</b>	<b>Report</b>
OC	<b>1) Optional Component (Module on Modern aspects of nursing)</b>		<b>8</b>	<b>240</b>	<b>80</b>	<b>48</b>	<b>112</b>	<b>4</b>	<b>4</b>	
	M-RPAS	Rehabilitation of patients after stroke	4	120	40	24	56	4		Exam
	M-HPNPRK	Health promotion Nursing profession in the health care system of the Republic of Kazakhstan	4	120	40	24	56	4		Exam
	M-MLSD	Management and leadership in nurse business	4	120	40	24	56	4		Exam
	M-EmerC	Emergency conditions: BLS, ACLS, PALS	4	120	40	24	56	4		Exam
	M-NTDSP	New technologies of activity of nursing staff	4	120	40	24	56	4		Exam
	M-UKOMP	Quality management of delivery of health care	4	120	40	24	56	4		Exam
	M-CSI	Communication skills	4	120	40	24	56		4	Exam
<b>RW</b>	<b>RESEARCH WORK</b>		<b>24</b>	<b>720</b>	<b>240</b>	<b>480</b>		<b>6</b>	<b>18</b>	

ERWI	Master's research work, including internship and master's thesis	1	60	20	40	1		Report
		5	120	40	80	5		
		15	450	150	300		15	
		3	90	30	60		3	
<b>FE</b>	<b>FINAL EXAMINATION</b>	<b>12</b>	<b>360</b>	<b>120</b>	<b>240</b>		<b>12</b>	
DDMT	Design and defense of a master's thesis	12	360	120	240		12	
<b>TOTAL</b>		<b>120</b>	<b>3600</b>	<b>1200</b>	<b>2400</b>	<b>60</b>	<b>60</b>	