



1. DESCRIPTION OF THE EDUCATIONAL PROGRAM

The purpose of the educational program: Preparation of highly qualified master's teachers with pedagogical knowledge in the field of artistic work, graphics and design capable of successfully carrying out research and management activities.

1.1. GENERAL INFORMATION ON THE EDUCATIONAL PROGRAM

Type of educational program	Current
Name of the educational program	7M01403 Artistic Work, Graphics and Design
Area of the educational program	7M01 Pedagogical sciences
Direction of training	7M014 Training of teachers with a subject specialization of general development
Education Program Group	M007 Training of teachers of art, graphics and design
License for conducting educational activities No., date, month, year	The educational program is implemented on the basis of the Appendix to License No. KZ75LAA00018542 dated August 4, 2020. Order of the Chairman of the Committee for Quality Assurance in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan
Number in the register of EP and date of registration/update	No. _____, _____.2025. Updating of EP in the Registry: _____.2025.
NQF level	Master, level 7
Degree awarded	Master of Pedagogical Sciences in the educational program 7M01403 Artistic Work, Graphics and Design
Accreditation of the educational program	«Independent agency for accreditation and rating» (IAAR), certificate No: AB 5550, 20.12.2024 - 19.12.2029
Educational program rating	-
Total Academic Credits	120 ECTS
Training period	2 years

1.2. VISION, MISSION, PROGRAM GOAL, VALUES, ATTRIBUTES OF A UNIVERSITY GRADUATE

Vision:

An intellectual platform that develops teachers who can manage in a rapidly changing world.

Mission:

Formation of teacher leaders who are able to create, develop and disseminate advanced knowledge and values in the field of education for the benefit of the country and the world.

Program goal:

The university aims to become a hub for innovative methods of teaching, learning and research, as well as the development of rural education in Central Asia.

Values:

Integrity, dedication to one's work, caring for others

University Graduate Attributes:

- Self-taught, able to reflect and explore their practice
- Have moral and ethical qualities and are responsible



- Have deep subject, digital knowledge and a broad intellectual outlook
- Creative and critical thinking, collaborative and communicative
- Practice leadership in teaching and learning, and adapt to rapidly changing environments
- Diverse, inclusive and for equality of opportunity in society

1.3. RATIONALE OF THE EDUCATIONAL PROGRAM

Justification:

The relevance of training teachers of art work, graphics and design is due to the need to train qualified personnel in a new format in accordance with the new reform of the education system according to the updated program, since "Art work" and "Graphics and design" are studied in secondary schools as integrated disciplines.

In a market economy, the most important tool that ensures the sustainability of the competitiveness of an enterprise in the market is the training of professionals in accordance with the current requirements for its external and internal environment.

Based on the needs of consumers and employers, a program has been developed for the training of scientific and pedagogical personnel for the vocational education system for the formation and development of the younger generation owning innovative technologies, aimed at ensuring a high level of moral, intellectual, cultural development and professional competence, including a continuous process of education and training.

Market need. Statistical analysis was carried out on the basis of the official website of the education departments in the automated collection system "National Educational Database" (NEBD) <https://e.edu.kz/statistics.html>, and the information and analytical center <http://iac.kz>.

The national educational database showed that in Kazakhstan there are 7413 organizations of primary, basic secondary and general secondary education, 906 organizations of additional education for children.

1.4. FEATURES OF THE EDUCATIONAL PROGRAM

Academic mobility	Nigde Omer Halisdemir University (Türkiye), University of Hong Kong (Republic of China); Ondokuz Mayıs University (Türkiye); Kyrgyz State University named after. I. Arbaeva (Kyrgyzstan), Karshi State University (Republic of Uzbekistan), Shakhrisabz State Pedagogical Institute (Republic of Uzbekistan); Tashkent National Pedagogical University named after. Nizami (Republic of Uzbekistan, Tashkent).
Double degree program	-
Additional education (Minor)	-

Coincidence with similar EPs of leading universities of near and far abroad

Sookmyung Women's University, Graduate School of Education (South Korea) – 20%; Nevsehir Hacı Bektaş Veli University (Turkey) – 20%; University of Malaya (Malaysia, Kuala Lumpur) – 15%.

1.5. POTENTIAL DIRECTION AND GRADUATE JOBS

Higher education institutions; research institutes; institutes for advanced training and retraining of personnel in the education system; authorized and local executive bodies in the field of education; vocational education organizations of all types and types (general education schools, art college, secondary vocational college and lyceums, schoolchildren's home and cultural centers, children's creative organizations and art studios).

1.6. AREAS OF PROFESSIONAL COMPETENCE

Areas of professional competence 1

in the field of educational activities:



- design and organization of the pedagogical process in General education, professional educational institutions, higher educational institutions, diagnostics, correction, forecasting of the results of pedagogical activity;

- organization of subject activity of students in General education, professional educational institutions, higher educational institutions;

- study, generalization, dissemination of innovative experience in the field of education.

Areas of professional competence 2

in the field of educational activities:

- management of the process of formation and development of the personality of students in General education, vocational educational institutions, higher educational institutions;

- design and organization of educational work in accordance with the laws, laws, principles, educational mechanisms of the pedagogical process;

- reasonable selection of various forms and methods of education and training of students of organizations, professional and technical colleges and pedagogical universities;

- formation of social and ethical values based on public opinion, traditions, customs, social norms and their use in professional activities;

- compliance with the norms of business ethics, mastering ethical and legal norms of behavior;

Areas of professional competence 3

in the field of educational and technological activities:

- reasonable selection and use of innovative pedagogical technologies in the educational process;

- organization of search and processing of information about the subject activity of students, about the educational process using information and communication technologies;

- the ability to put into practice the acquired knowledge in the field of professional and socio-humanitarian disciplines.

Areas of professional competence 4

- designing and organizing favorable conditions and providing pedagogical support for the education and development of students;

- formation of an objective assessment of the personal level of claims, norms of business ethics, ethical and legal norms of behavior;

- mastering methods of physical, spiritual and intellectual self-development, formation of psychological literacy, culture of thinking and behavior.

Area of professional competence 5

in the field of research activities:

- planning and organization of scientific research, knowledge of the algorithm of research activity;

- planning and organization of the study of scientific and methodological literature;

- planning and organization of the study and generalization of innovative pedagogical experience of vocational training;

- planning and organization of pedagogical experiments with the implementation of their results in the educational process;

- performing scientific research in specialized disciplines in various scientific and educational institutions;

- the ability to creatively use the achievements of theory and technology, to summarize the results of research work;

- the ability to objectively evaluate the results of their research activities, apply methods of processing scientific and pedagogical research, anticipate possible positive and negative consequences of search work.

Area of professional competence 6

in the field of organizational and managerial activities:

- planning and organization of the content-procedural component of the educational process (the content of courses of disciplines of professional, higher education, selection of materials, methods, techniques, means for meaningful activity and organization of the developing environment and its use as a means of educating the personality of students at different levels of education);



- managerial activity in state structures of various levels of education.

1.7. LEARNING OUTCOMES OF THE EDUCATIONAL PROGRAM

LO 1 – Integrates scientific results into educational content, taking into account the interconnection between science and the educational process, current issues in the history and philosophy of science, the professional foundations of speech communication, and the observance of ethical and legal standards in the use of artificial intelligence under conditions of educational transformation;

LO 2 – Applies the theoretical and methodological foundations of the development of pedagogical and psychological sciences, teaching methods based on inclusive principles considering students with diverse abilities, processes of management and acquisition, and the essence and content of psychological and pedagogical research in professional practice;

LO 3 – Presents the structure, methodology, data, and conclusions of the research in accordance with academic standards, while observing ethical norms at all stages of the scientific process;

LO 4 Able to analyze, evaluate and synthesize in the course of scientific research the results of pedagogical and individual artistic and creative activities in the field of information, digital, artistic labor, graphics and design; possesses theoretical knowledge and practical skills in the use of modern multimedia technologies and new media in the creation of design art projects;

LO 5 Uses methodological and conceptual knowledge by conducting scientific research in the development of new knowledge; possesses the skills of creating technological documentation, including the introduction of modern computer technologies, design, application in scientific and educational activities;

LO 6 Possesses knowledge of pedagogical art and modern pedagogical methods and technology necessary for the effective organization of the educational process in the field of artistic creativity based on the updated content of education;

LO 7 – Knows the classification of art forms, he has a conceptual apparatus that determines the specifics of art in various epochs of world culture; teaching the values of the social system, manifested in a special form of world and national culture; has knowledge of current trends and currents in the field of visual art and design to create art projects that meet the requirements of the modern market;

LO 8 – Plans, organizes experimental research works, determines approaches to solving the tasks of a scientific project and develops a program and methodology; carries out comprehensive monitoring of scientific research based on diagnostics, analysis and generalization;

LO 9 – Analyzes deep theoretical knowledge in the learning process using modern and innovative technologies, while maintaining the principles of academic integrity, and presents the object of creative projects using artificial intelligence;

LO 10 – Applies in practice the methodology of conducting any scientific research and creative projects related to the pedagogy of art in art education.

Comparison matrix of learning outcomes for the EP with the attributes of a graduate

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
AG1	+			+	+	+	+		+	+
AG 2	+	+		+	+		+	+	+	
AG 3			+	+	+	+			+	+
AG 4		+		+	+	+	+	+	+	+
AG 5	+	+	+	+	+		+	+	+	



AG 6			+	+	+	+	+	+		
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1.8. NORMATIVE REFERENCES

The program was developed on the basis of the following legal acts:

1. State General Educational Standard of Postgraduate Education. Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022, №. 2.

3. Professional Standard: for Educators (Teaching and Academic Staff) of Higher and/or Postgraduate Education Institutions. Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated November 20, 2023, №. 591.

4. Professional Standards for Educators of Educational Institutions. Order of the Minister of Education of the Republic of Kazakhstan dated February 24, 2025, №. 31.

2. CONTENT OF THE EDUCATIONAL PROGRAM

N	Code and name of modules	Total number of credits	N	Code and name of the discipline	Academic credit of the discipline	Cycle/ component
1	ISE Module 1 Integration of science and education	20	1	ISE 51 History and philosophy of science	5	CC/UC
			2	ISE 52 Foreign language (professional)	5	CC/UC
			3	ISE 53 Higher Education Pedagogy and Psychology	5	CC/UC
			4	ISE 54403/1 Methodology of using artificial intelligence in contemporary art	5	CC/OC
			5	ISE 54403/2 / Digital Technologies and Artificial Intelligence in Artistic Practice		CC/OC
			6	ISE 65 Pedagogical practice	4	CC/UC
2	IRS Module 2 Improving Research Skills	18	1	IRS 51 Academic research and critical analysis of literature	6	MC/ UC
			2	IRS 53 Research design and ethical standards	6	MC/ UC
			3	IRS 55 Qualitative and Quantitative Research Methods	6	MC/ UC
3	SRM Module 3 Scientific Research Methodology	15	1	SRM 51403/1 Methods and Technologies of Scientific and Educational Research	5	CC OC
			2	SRM 51403/2 Methodological Foundations of Kazakh Ethnopedagogics		CC OC
			3	SRM 62403/1 Methodology of Scientific Research in Artistic and Educational Activities	5	CC OC
			4	SRM 62403/2 Scientific and Methodological Foundations of Modern Art and Pedagogical Education		CC OC
			5	SRM 63403/1 Methodology for Scientific Research of Project Graphics	5	CC OC
			6	SRM 63403/2 Design Theory and Methodology		CC OC



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4	SKS Module 4 Subject Knowledge	25	1	SKS 51403/1 Pedagogical Arts Study	5	MC OC
			2	SKS 51403/2 Theory of The History of World and Contemporary Art		
			3	SKS 62403/1 Pedagogical Innovation	5	MC OC
			4	SKS 62403/2 Psychology of Artistic Creativity		
			5	SKS 63403/1 Modern Pedagogical Technologies in Teaching Graphics and Design	5	MC OC
			6	SKS 63403/2 Teaching Technology for the "Graphics and Design" Profile		
			7	SKS 64403/1 Computer Graphics and Modeling	5	MC OC
			8	SKS 64403/2 Computer Technologies in Design, Scientific and Educational Activities		
			9	SKS 65403/1 Semantics of artistic creativity research	5	MC OC
			10	SKS 65403/2 Technological Training Workstop		
5	RW5 Research Work	30	1	RW 5(6).02 Research practice	6	MC/ UC
			2	RW5(6).03 Undergraduate research work, including internships and the implementation of a Master's thesis	24	MRW
6	FE Final examination	8	1	FE 6.01 Registration and defense of the Master's thesis (RDMT)	8	FC
TOTAL:		120			120	



2.1. INFORMATION ABOUT MODULES AND DISCIPLINES

Module – 1 Integration of science and education							
<p><i>Module Description:</i> The module is aimed at exploring the interrelationship between science and education. It covers key aspects of the history and philosophy of science, the specifics of professional foreign language training, the principles of higher education pedagogy, as well as the fundamentals of management psychology. Master's students acquire both theoretical and practical approaches to integrating scientific knowledge into educational practice and, conversely, to understanding the influence of the educational environment on the development of scientific thought. The module develops masters' critical thinking, academic communication skills, and the ability to implement interdisciplinary concepts in practical activities.</p>							
№	Code and title of the discipline	Cycle/ component	ECTS	Description of the discipline	Methods of teaching	Learning outcomes	Assessment methods
1	ISE 51 History and philosophy of science	CC/ UC	5	The discipline "History and Philosophy of Science" provides master's students with an understanding of the evolution of thought in the context of the development of the scientific method. Using critical thinking and comparative analysis skills, master's students analyze key philosophical concepts and their impact on scientific discoveries. They evaluate the influence of ideologies on the formation of scientific paradigms and apply intellectual skills to compare and assess different approaches to knowledge. Through discussion and exploration of historical contexts, master's students develop skills in analyzing and synthesizing information, as well as a deeper understanding of the relationship between philosophy and science.	Lectures and seminar discussions; Case studies; Analysis of sources; Joint research projects.	LO 1	Essays Presentations Research Project
2	ISE 52 Foreign language (professional)	CC/ UC	5	The discipline is designed to ensure the acquisition of a super-basic standard at a minimum of B1 level and to develop intercultural	CLIL technology;	LO 1	Essay, project defense



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				and communicative competence among graduate students in non-linguistic fields. It expands and improves students' language skills within the scope of their professional activities. The discipline includes the study of specific vocabulary, terminology, and communication strategies relevant to the field of their master's program.	Listening to podcasts and lectures; Reading and analyzing articles		Compilation of a terminological dictionary
3	ISE 53 Higher Education Pedagogy and Psychology	CC/ UC	5	The discipline is aimed at providing master's students with in-depth knowledge in the fields of higher education pedagogy and psychology. During the discipline, master's students explore innovative methods for organizing the learning process, designing educational programs, assessing student academic performance, and analyzing the psychological aspects of leadership, including motivation, leadership, communication, and conflict management. Master's students also become familiar with research principles in the field of pedagogy and develop professional skills necessary for a successful career in higher education. The discipline examines the application of psychological management concepts in educational institutions, helping students develop analytical and decision-making skills in complex situations.	Lectures with interactive elements ("Think – Discuss – Share"); Case studies; Thematic discussions; Situational and problem-based learning (PBL); Collaborative learning and group projects	LO 2	Project Defense Self-Assessment and Peer-Assessment Portfolio
4	ISE 54403/1 Methodology of Using Artificial Intelligence in Contemporary Art	CC/OC	5	The discipline is aimed at developing master's students' in-depth knowledge and skills necessary for the effective organization of the educational process in higher education institutions. Within this course, master's students explore modern	Practical classes; Project-based learning; Interactive methods	LO 1,9	Tests Portfolio Presentations Project



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				teaching methods that include both traditional and innovative approaches, such as lectures, seminars, practical classes, project-based learning, case methods, the use of information and communication technologies, and artificial intelligence (AI). Special emphasis is placed on implementing active learning methods, including problem-based, research-based, and distance learning. Master's students acquire skills in applying contemporary teaching methods and technologies, managing the educational process, utilizing ICT and assessment methods, as well as creating an effective learning environment.			
5	ISE 54403/2 Digital Technologies and Artificial Intelligence in Artistic Practice	CC/OC		The course aims to develop master's students' competencies in the scientifically grounded use of modern digital tools and artificial intelligence technologies in creative work. A discipline focused on the study of the application of digital technologies and artificial intelligence in artistic practice, their role in transforming creative processes, and the implementation of innovative methods in contemporary art. Master's students will master digital art methods, algorithmic creativity, and the skills to develop innovative artistic projects.	Practical classes; Project-based learning; Interactive methods	LO 6,9,10	Project, Presentations, Portfolio
6	ISE 65 Pedagogical practice	CC/ UC	4	The teaching practice of a Master's student includes familiarization with teaching methods, basic approaches and techniques of teaching and	Educational process	LO 3	Report



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				education, as well as organizing and conducting classes or events in accordance with the curriculum and program of the higher education institution. An important aspect is working with students, including adapting materials to their level and needs, as well as improving teaching skills and conducting assessment and feedback for scientifically based preparation for future professional activity.			
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Module – 2 Improving Research Methods <i>Description of the module:</i> The module is designed to provide master's students with a comprehensive understanding of the theoretical foundations and practical strategies for effectively organizing and managing research projects. It aims to equip students with the knowledge and skills necessary for planning, conducting, and disseminating scientific work efficiently.							
№	Code and title of the discipline	Cycle/ component	ECTS	Description of the discipline	Methods of teaching	Learning outcomes	Assessment methods
1	IRS 51 Academic research and critical analysis of literature	MC/ UC	6	During the discipline, master's students critically analyze scientific research, develop their own research approaches, and apply comparative analysis skills to understand key concepts and trends in the field of education. Each assignment is designed to enhance critical thinking and analytical work with academic materials, helping master's students not only gain a deeper understanding of the subject area but also prepare for the development of their own research projects.	Lectures with interactive elements; Case studies; Discussions on ethics; Lectures and interactive discussions; Review articles;	LO 3,8,10	Essay / Project



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					Peer review and feedback;		
2	IRS 53 Research design and ethical standards in education	MC/ UC	6	Master's students explore various aspects of research design, including formulating research questions, selecting methodology, developing data collection tools, and planning data analysis procedures. The discipline also places special emphasis on the ethical standards and regulations governing educational research, such as data confidentiality and the rights and well-being of research participants. Instruction includes the practical application of acquired knowledge for designing and implementing research projects, equipping master's students with the skills needed to conduct high-quality and ethically sound research in the field of education.	Lectures with interactive elements; Case studies; Discussions on ethical issues	LO 3,8	Essay / Project
3	IRS 55 Qualitative and Quantitative Research Methods	MC/ UC	6	The discipline provides an in-depth study of qualitative methods used in educational research. Master's students are introduced to various data collection methods, such as interviews, focus groups, observation, and document analysis. The discipline develops skills in collecting, recording, and analyzing qualitative data, interpreting results, and drawing conclusions from qualitative information. Special attention is given to analyzing and mastering the principles of ensuring the validity and reliability of research outcomes when applying qualitative methods. Master's students develop skills in constructing	Multimedia lecture Discussion Interactive method Material exposition Interactive elements Comparative analysis Case discussion Interactive elements (duplicate in original) Problem-based approach Critical reviews	LO 35	Essay / Project Poster



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				a qualitative approach, theoretical framework, and formulating research questions.	Hackathons (solution marathons)		
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Module 3 Scientific Research Methodology <i>Description of the module:</i> The module represents the scientific and theoretical foundations and patterns of organizing the process of training a future specialist in Higher Education, especially - on understanding the new motivation of the concepts of oriented and competence-based approaches to independent continuation of training, the development of a system of modern pedagogical paradigms, principles, types, forms and methods of contextual training, skill, intelligence of a teacher, management of self-development and professional personality, self-development in the context of integrative creativity, artistic and pedagogical education, the methodology of scientific research is aimed at understanding the effectiveness of humanization.							
№	Name of subject and code	Cycle/component	Credits	Subject disruption	Teaching methods	LO by EP	Assessment methods
1	SRM 51403/1 Methods and Technologies of Scientific and Educational Research	CC/ OC	5	The course studies methods of scientific and pedagogical research in the field of professional pedagogy. Mastering the methods used to study specific issues of professional pedagogy, collecting and summarizing research results, formalizing and disseminating the results of pedagogical research.	The "insert" method	LO 3,6,8	Essay / Project Poster
2	SRM 51403/2 Methodological Foundations of Kazakh Ethnopedagogics	CC/ OC		The subject is aimed at studying the content and features of Kazakh ethnopedagogy, the worldview theory of the ethnos. Ethnopsychology, its role in ethnopedagogy. In the domestic education system, Kazakh ethnopedagogy is considered as an independent subject, an integral part of pedagogical science.	Venn diagram analysis method	LO 5,7	Essay / Writing
3	SRM 62403/1 Methodology of	CC/ OC	5	The course examines the object and subject of the methodology of art education, the basis of the	Dialogue teaching method	LO 4,6	Essay / Poster



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	Scientific Research in Artistic and Educational Activities			theory, history and methodology of art education. Methodology of art education as a field of activity associated with scientific research, development, substantiation of initial provisions, categories, patterns, based on the problems of art education being solved			
4	SRM 62403/2 Scientific and Methodological Foundations of Modern Art and Pedagogical Education	CC/ OC		The course describes the essence and features of modern art education in the general education system. It examines the problems and contradictions in the theory and practice of modern art education in the field of philosophy and art. Master's students define the principle of integrity in philosophy, general scientific fields and their significance in art education. They distinguish the relationship between the objective and the subjective in philosophy and art education.	The "Concept Table" Method	LO 1,6,10	Essay / Poster
5	SRM 63403/1 Methodology for Scientific Research of Project Graphics	CC/ OC	5	The discipline is aimed at studying the goals and objectives of scientific research methodology based on project graphics. Master's students analyze current problems of scientific research methodology in graphic and creative art. They master the basic concepts of scientific research work in art and the use of scientific knowledge methods, logical rules of research	The Jigsaw Method	LO 4,5,7,9	Essay / Project Poster



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6	SRM 63403/2 Design Theory and Methodology	CC/ OC		Master's students study the methodologies of design and development theory, the definition and types of design, its features and history of development. Master's students apply the acquired knowledge in practice to create a new, improved material environment of industrial design in a harmonious form in terms of proportions and form of unity and content and implement it through the stages of artistic structuring.	Spider method (on poster)	LO 4,6,10	Essay / Project Poster
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Module 4.
Subject Knowledge

Description of the module The module is aimed at developing the ICT competence of future specialists, developing the process of assessing the quality of education, training a teacher of artistic work, graphics and design. It also examines the achievements of ICT and the didactic possibilities of its application in the educational process, electronic educational environments, CBR and their types, the capabilities of various application programs, a measuring approach to assessing the knowledge gained by students, a system of control and assessment actions, experience and current state, ways, modern technologies.

№	Name of subject and code	Cycle/component	Credits	Subject discription	Teaching methods	LO by EP	Assessme nt methods
1	SKS 51403/1 Pedagogical Arts Study	MC /OC	5	The aim of the discipline is to study artistic pedagogy and its place in the system of pedagogical sciences. Master's students master methods of analysis and study of data on artistic pedagogy of the Renaissance, the Ideas of artistic and pedagogical education in Western Europe, the emergence of art academies and stages of development of artistic pedagogy in Independent Kazakhstan. Skills of understanding the features of the development of artistic pedagogy in	Lectures and seminar discussions; Case studies; Analysis of sources;	LO 2,7	Essays Presentati ons



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				historical retrospect, mastering artistic and creative activity are formed			
2	SKS 51403/2 Theory of the History of World and Contemporary Art			The course examines the formation of contemporary art in the current context; Art and alternative to modernism; Postmodernism. Studies the development of conceptual and minimalism, feminism in art, reveals images of culture - campism, East Village art, neo-pop. The rise of photography in art. Exhibits of contemporary art in contemporary art galleries, art studios, in artist-run spaces, etc.	The "Conceptual Table" method	LO 4,7	Essay
3	SKS 62403/1 Pedagogical Innovation	MC /OC	5	Master's students study various aspects of choosing pedagogical innovative research technology in art education, planning data collection, analysis procedures, and developing research tools. They use comparative analysis skills to understand pedagogical innovations in art in the educational system in creative industries. Master's students develop skills in analytical work with scientific materials, and master modern approaches to creating educational and practical activities in the field of education.	Case studies; Method "Conceptual table"	LO 4,6,8	Essay / Project Poster
4	SKS 62403/2 Psychology of Artistic Creativity			The course examines the essence of the concepts of "psychology of art", "psychology of artistic creativity", etc. The psychology of art is studied as artistic cognition, artistic technique, psychoanalysis and catharsis. The relationship between scientific and artistic creativity is determined. The pedagogical conditions for the	Dialogue teaching method	LO 6,7	Essay



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				development of artistic activity in the psychological aspects of creativity, such as imagination, intuition, thinking, etc. are analyzed.			
5	SKS 63403/1 Modern Pedagogical Technologies in Teaching Graphics and Design	MC /OC	5	Master's students become familiar with various personal-activity and personal-oriented pedagogical technologies. They master the features of organizing the educational process based on information and communication technologies (multimedia, interactive courses in educational graphics, problem-based, heuristic learning, round table method, project method, etc.) and the case method.	Case - project method, explanation, illustrative method	LO 4,6,9	Case project, portfolio
6	SKS 63403/2 Teaching Technology for the "Graphics and Design" Profile			During the course, master's students will master the tools and methods of information visualization, graphic modeling and design teaching technologies. Computer-aided design systems (CAD); STAPRIM, "Grace", "Leko", "ASSOL", Lektra, Gerber, will learn to create an automated design and visualization structure in graphic design methods	The "spider" method (on the poster)	LO 5,6,7,9	Project/portfolio presentation
7	SKS 64403/1 Computer Graphics and Modeling	MC /OC	5	During their studies, masters master the main areas of computer graphics, the basic principles of modeling. They study the classification of models, the technology of creating models, graphic rules in modeling. They create stages of models, drawings with technical and economic calculations, features of modeling the main drawings of the product and small parts. They study modeling in production processes by analyzing and processing the results of modeling.	Spider method (on poster)	LO 4,9	Project/portfolio presentation



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8	SKS 64403/2 Computer Technologies in Design, Scientific and Educational Activities			Master's students become familiar with modern computer technologies in design and their application in project, scientific and educational activities. Information systems and technologies, their software are studied. Information technologies in science and education; "Multimedia technologies"	The "Jigsaw" method	LO 4,5,7	Project/portfolio presentation
9	SKS 55403/1 Semantics of artistic creativity research	MC /OC	5	The aim of the discipline is to study the features of semantic analysis of artistic creativity in the field of scientific knowledge by master's students. Master's students learn to analyze, research and visualize the semantic essence of artistic creativity in relation to philosophy, aesthetics and literature. Skills are developed in applying the method of analyzing images, symbols and categories of art in practice.	Case - project method, explanation, illustrative method	LO 1,6,7,10	Essay / Project Poster
10	SKS 55403/2 Technological Training Workshop			The course is aimed at developing technological competence in the field of production of material products. Graduates study the classification of technological equipment, its purpose, design and operating principle. In the process of mastering the subject, postgraduate students acquire skills in working with equipment, taking into account energy saving requirements and safety regulations.	"SMART (smart goal)"	LO 4,6	Essay / Project Poster

RW 5 Research Work

Module description: The module is aimed at developing the research skills, knowledge and competencies of master's degree students. During teaching practice, research practice, internships and completing the master's thesis, master's degree students gain valuable experience in applying knowledge in



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teaching, research and practice. Intensive courses provide an opportunity to gain additional knowledge about scientific publications, thesis structure and the use of APA style in the text.							
№	Code and title of the discipline	Cycle/ component	ECTS	Description of the discipline	Methods of teaching	Learning outcomes	Assessment methods
1	Research practice	CC/ UC	6	Research practice is focused on obtaining the results of scientific research, critical analysis, substantiation of the theoretical and practical significance of the research problem, as well as the formulation of final conclusions.	Practical work	LO 3,8	Report
2	Undergraduate research work, including internships and the implementation of a Master's thesis (MRW)	MRW	3	Possession of skills in identifying scientific priorities, as well as the formation of current tasks and research problems. Completion of research (methodological and practical) sections in accordance with the established rules of protection. Justification of the theoretical and practical significance of the research problem. Conducting an analytical review of scientific literature and independent research in accordance with the developed program.	Experimental and practical work	LO 8	Report
3	Undergraduate research work, including internships and the implementation of a	MRW	5	Independent study of new theoretical and methodological works of domestic and foreign science. Consolidation of practical skills in the application of modern methods of scientific research. Participation in the research work of the department and the specialized research institute.	Experimental and practical work	LO 1,8	Report



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	Master's thesis (MRW)						
4	Undergraduate research work, including internships and the implementation of a Master's thesis (MRW)	MRW	6	Conducting an analytical review of scientific literature. Conducting independent research in accordance with the developed program. Mastering modern theoretical and methodological achievements in the field of science. Application of modern methods in individual scientific research.	Experimental and practical work	LO 1,8	Report
5	Undergraduate research work, including internships and the implementation of a Master's thesis (MRW)	MRW	10	Submitting the final dissertation draft to the supervisor and then defending the research methods at the university ethics committee at the end of the third semester.	Experimental and practical work	LO 1,8	Report
6	Final certification	FC	8	Registration and defense of a master's thesis (RDMT)	Design and defense of a dissertation	LO 1,8	Defense
	Total		120				