MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC OF KAZAKHSTAN
ABAI KAZAKH NATIONAL PEDAGOGICAL UNIVERSITY

We train teachers who are able to anticipate the needs of modern education, based on advanced methods, national heritage and global approaches. We are increasing the prestige of the teaching profession and becoming a driver of human capital development.

EDUCATIONAL PROGRAM

6B02001 Professional training

Department of "Art Education"

Almaty

№	Name of discipline	Short description of discipline	Cycle	Component	Credits
1	Research skills in the field of law and anti-corruption culture	Objective: to develop students' skills to conduct independent research in the field of law and anti-corruption culture, as well as the development of critical thinking and analytical abilities. Contents: methodology of scientific research, methods of data collection and analysis, the main stages of writing scientific papers on the topics: the main provisions of the Constitution, the current legislation of the Republic of Kazakhstan; the system of public administration, terms of authority, goals, methods of state regulation of the economy, the role of the public sector in the economy; financial law and finance; the mechanism of interaction of substantive and procedural law; the essence of corruption, the causes of its origin; the measure of moral, legal responsibility for corruption offenses; the current legislation in the field of anti-corruption. Competencies in: developing and conducting research in the field of law and anti-corruption culture; analyzing and interpreting the data obtained; critical thinking and evaluating information.	GED	EC	5
2	Methods of economics and entrepreneurship research	Purpose: to help students acquire the knowledge and skills necessary to conduct research in the field of economics and entrepreneurship. Content: Research methods such as statistical analysis, economic modeling, questionnaires, interviews, etc.; General principles, techniques and methods of data collection, processing, analysis, study of patterns and trends in the development of mass economic phenomena and processes; The essence, forms, structure of capital; Production; production costs. The income of production in a market economy; The concept of business. Types of entrepreneurial activity. Theory of ownership, social forms of management. Goods, money. Socio-economic system. The emergence of the market. The financial system. The role of the state in business development. Macroeconomics. Resource conservation. The cyclical nature of economic development. Inflation and unemployment. Kazakhstan is in the system of global economic relations. Also, during the course, students study methods of data collection and analysis, formulation of hypotheses and conclusions, as well as the design and presentation of research results. Competencies: the ability to conduct qualitative research using various methods and techniques, analyze and interpret the data obtained, formulate conclusions and recommendations based on the results of the study, as well as formalize and present the results of the study in written and oral form.	GED	EC	5

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3	Fundamentals of ecology and sustainable development	Purpose: to form students' understanding of the basic principles of human interaction with the environment, as well as to master the basic research methods in the field of ecology and safety. Content: 1. Fundamentals of ecology: the concept of an ecosystem, the interaction of biotic and abiotic components, biodiversity. 2. Environmental pollution: types of pollutants, their sources, consequences for human health and the environment, methods of pollution control and reduction. 3. Fundamentals of life safety: basic principles of occupational safety, measures to prevent accidents and emergencies, training in the field of safe behavior. 4. Research methods in ecology and safety: selection of appropriate research methods, processing of the data obtained, analysis of the results and conclusions. Competencies: 1. Understanding the basic patterns of ecosystem functioning and human interaction with the environment. 2. The ability to analyze and assess the state of the environment and develop measures to improve and protect it. 3. Skills in conducting research in the field of ecology and safety, as well as the ability to systematize and interpret the data obtained. 4. Readiness to ensure the safety of one's life and the environment, the application of knowledge in everyday life and at work. Competencies: 1. Understanding the basic patterns of functioning of ecosystems and human interaction with the environment. 2. The ability to analyze and assess the state of the environment and develop measures to improve and protect it. 3. Skills in conducting research in the field of ecology and safety, as well as the ability to systematize and interpret the data obtained. 4. Willingness to ensure the safety of one’s life and environment, application of knowledge in everyday life and at work.	GED	EC	5
4	Abai studies	Purpose: to study the life and work of the outstanding Kazakh poet, thinker and public figure Abai Kunanbayev, as well as his influence on the development of Kazakh literature, culture and society. Content: disciplines usually include the study of the biography of Abai Kunanbayev, the analysis of his poetic works, the study of his philosophical and socio-political views, as well as consideration of the impact of his legacy on modern Kazakh society. Competencies: - knowledge and understanding of the life and work of Abai Kunanbayev; - the ability to analyze and interpret Abai's poetic works; - the ability to think critically and analyze Abai's philosophical and socio-political views; - understanding the	BD	UC	3

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		impact of Abai's legacy on modern Kazakh society and culture; - the ability to critically assess the historical and cultural significance of Abai and his work.			
5	Academic painting	Purpose: Students have the skills to perform works of fine arts in various types and genres based on knowledge of the theory of composition, patterns of image on a plane, plastic anatomy, based on creative research, using traditional and modern materials and techniques, consciously use theoretical knowledge about expressive means of painting, color studies, rules for drawing up educational materials in visual activities productions, rules for the work of oil painting and acrylic. Students can: • To teach the peculiarities of compositional solutions in various genres of art, methods of creative research and principles of performing various genre compositions • Apply the acquired theoretical knowledge in the process of performing genre compositions • Apply critical and creative thinking skills in the process of working on genre compositions • Apply the skills of self-reflection and mutual reflection when performing genre compositions • Apply the skills of explaining the peculiarities of performing genre compositions in various styles, various visual materials and media in the process of teaching students fine arts in pedagogical work	BD	UC	6
6	Academik drawing	Purpose: Students have knowledge of the rules of academic realistic depiction of a portrait of a person from nature, know the peculiarities of using various graphic materials and techniques, skills of depicting a person from nature with graphic materials using the rules of realistic depiction, are able, using methods of self-reflection and mutual reflection, to critically evaluate the results of their work in order to further improve their skills. Students are able to ensure the process of teaching schoolchildren a competent image of a person in practice at school, they well understand the importance of the theory of academic drawing for realistic portrayal of portraits, knowledge about the materials and expressive means of academic drawing in independent visual activity on the image of a person and for the effective process of teaching schoolchildren in pedagogical work Students can: • Teach the rules of realistic depiction of a portrait of a person from nature by graphic means • Apply various graphic techniques and techniques and apply them when performing practical work on academic drawing • Apply the rules of realistic portrayal of a person's portrait in the process of performing short-term drawings and long-term	BD	UC	4

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		productions from nature • Possess self-reflection skills when performing full-scale productions, portrait sketches and sketches with various graphic materials and in various techniques • Have the skills to explain the rules of depicting a person from nature with various graphic materials in the process of teaching students in pedagogical work			
7	Age and physiological features of children	Objective: to monitor the development of students, plan and implement age-appropriate learning processes, taking into account the individual needs of students, creatively support universal learning and the well-being of students. Students can: • Recognize the individual starting points of different students, their learning potential and needs for specific support • Consider the individual needs of their students for specific support, guidance, training and assessment • to introduce various methodological solutions for providing specific support	BD	UC	3
8	Inclusive educational environment	Objective: to understand and be able to take into account the diversity of students in the learning/teaching process, to maintain well-being in a reasonable way, psychologically and ethically, taking into account the context of their lives. Students can: accept diversity, identify obstacles to participation and learning; determine development priorities, plan activities for the adaptation of educational programs, the development of differentiated lessons; promote cooperation in the school community in order to create a basis for inclusive values and support student participation and academic achievement.	BD	UC	3
9	Research, development and innovation	Objective: to form a research- and development-oriented mindset, the ability to develop, update and apply innovative approaches and learning technologies in the context of ongoing changes in society and the educational environment. Students can: • Develop their own teaching skills through research-based approaches • apply critical thinking when collecting and using data for software development • Participate in scientific research and/or develop cooperation between universities and stakeholders • Document your own research activities and present the results using various forms of communication	BD	UC	4
10	The history of fine art and art research	Purpose: Students summarize and systematize information in the field of the evolution of world fine art as part of the evolution of society, the main milestones of the formation and development of the art of Kazakhstan from antiquity to the present, including the tangible and intangible heritage of UNESCO, on the basis of independent research, possess the	BD	UC	5

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		skills of artistic perception and interpretation of works of world art of various periods, styles and schools. Students are well aware of the importance of art as a special aesthetic field of activity, its role in the development of the personality of schoolchildren, their creative potential and are able to organize the process of artistic perception of works of art by students in school practice Students can: • Understand and apply the acquired knowledge about the evolution and logic of art development, styles, schools and art directions in independent research activities in the process of interpretation and aesthetic evaluation of works of art • Apply knowledge about the art of creative activity and the choice of style and expressive means for their works • To understand and apply the acquired knowledge about art in the process of organizing the process of artistic perception in pedagogical practice at school			
11	Art History of Kazakhstan	Purpose: Students summarize and systematize information in the field of the evolution of national fine arts as part of the evolution of world culture, the main milestones in the formation and development of the art of Kazakhstan from antiquity to the present, the dominant expressive means of visual language in modern Kazakh art and its connection with the traditional concept, the emergence, genesis, transformation of the tangible and intangible heritage of Kazakhstan, on the basis of independent research, they possess the skills of artistic perception and interpretation of works of national art of various periods, styles and schools. Students can: • Understand and apply the acquired knowledge about the evolution and logic of the development of art, styles, schools and art directions in independent research activities in the process of interpretation and aesthetic evaluation of works of national art • Apply knowledge about the prospects for the development of art, creative activity, as well as the choice of style and expressive means to create their works • To understand and apply the acquired knowledge about art during the organization of the process of artistic perception in teaching practice at school	BD	UC	5
12	Method and technology of teaching	Purpose: improvement of competences in the field of pedagogy and didactics. Students have a comprehensive understanding of the methodorogical system of education, can model strategies and technorogies for solving specific pedagogical problems, planning, management, training and evaluation, are able to use knowledge, forms, methods and technorogies of education in accordance with the conditions of a particular school and the	BD	UC	5

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		capabilities of students. Students can: • to choose pedagogical models suitable for their training • apply teaching methods creatively and diversely, taking into account the opportunities offered by technorogies • use the appropriate learning environment in your teaching • know and apply the norms and principles of copyright and data protection			
13	Educational Science and Key Learning Theories	The purpose of this course is to improve pedagogical competence in the field of pedagogy and didactics. Future teachers study the basics of pedagogical science, such as conceptual ideas about a person, leading to various learning theories and pedagogical models. Based on an understanding of theoretical concepts, future teachers can make appropriate pedagogical choices for various learning situations.	BD	UC	3
14	The basics of academic writing	Purpose: to master the skills of the scientific style of presentation. Content: A presentation aimed at a critical and informed audience based on carefully reasoned and proven knowledge; to strengthen or challenge concepts or arguments. Requirements for the structure of the text and its design; the use of a scientific style of presentation; the ability to argue and paraphrase; the ability to correctly insert links, make out a list of references. Competencies: presentation of scientific papers in a concise and accessible form.	BD	UC	3
15	Basics of painting	The purpose of the discipline: Students possess the skills to perform works of fine arts in various types and genres based on knowledge of the theory of composition, patterns of image on a plane, plastic anatomy, based on creative research, using traditional and modern materials and techniques, consciously use theoretical knowledge about expressive means of painting, color science, rules of composition in visual activity educational productions, the rules of oil painting and acrylic. Students can: • To teach the peculiarities of compositional solutions in various genres of art, methods of creative research and principles of performing various genre compositions • Apply the acquired theoretical knowledge in the process of performing genre compositions • Apply critical and creative thinking skills in the process of working on genre compositions • Apply self-reflection and mutual reflection skills when performing genre compositions • Apply the skills of explaining the peculiarities of performing genre compositions in various styles, various visual materials and media in the process of teaching students fine arts in pedagogical work	BD	UC	6

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16	The basics of artificial intelligence	Purpose: to study the basic concepts, methods and technologies used to create and apply artificial intelligence. Content: 1. Introduction to Artificial Intelligence 2. Machine learning and learning with/without a teacher 3. Neural networks and deep learning 4. Natural language processing and text generation 5. Computer vision and pattern recognition 6. Robotics and autonomous systems 7. The application of artificial intelligence in various fields such as medicine, finance, technology and others. Competencies: 1. Understanding the basic principles of artificial intelligence 2. The ability to develop and implement machine learning algorithms 3. Skills in working with neural networks and deep learning 4. The ability to analyze and process data using artificial intelligence methods 5. The ability to apply knowledge and skills in various fields to solve problems using artificial intelligence.	BD	UC	4
17	The basics of drawing	The purpose of the discipline: Students use in their visual activities theoretical knowledge about the rules of linear-constructive construction of objects on a plane, the laws of linear and aerial perspective, the rules of tonal relations in academic drawing, possess the skills of composing and performing educational and creative academic still lifes with various graphic materials using the theory of academic image; they understand the importance of the theory of academic drawing for improving the level of independent visual activity and for the effective process of teaching schoolchildren drawing in practice at school Students can: • Apply the theory of academic drawing in practice in independent visual activity. • Possess the skills of composing and performing educational and creative academic still lifes with graphic visual means; with self-reflection and mutual reflection when performing educational productions, sketches and sketches with various graphic materials and in various techniques Possess the skills of explaining the theory and practice of academic drawing in the process of teaching students in pedagogical practice	BD	UC	5
18	Basics of financial literacy	The purpose of the course "Fundamentals of Financial Literacy" is to form special competencies in the field of personal finance management, smart investing, develop financial skills, make the right financial decisions and create a sustainable financial future.	BD	UC	3
19	Pedagogical Research	Objective: mastering the skills of searching, critically selecting knowledge from various sources, using research results in the development of one’s pedagogical thinking and practice. Competencies: recognizing the nature of pedagogy and its basic terminology,	BD	UC	5

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		recognize the central areas of research in pedagogy, and understand the difference between everyday thinking and scientific knowledge			
20	Teaching planning and individualization of learning	Purpose: formation of skills of individualization of teaching, taking into account the diversity of students and the use of teaching technologies, based on pedagogical and independent research. Students can: understand the requirements of competence, entrepreneurship and sustainable development in their pedagogical and subject areas when planning and conducting training; plan, predict the conditions that affect learning; apply the principles of individual learning and guidance in practice, take into account the needs of their students, support the development of their personality and self-esteem.	BD	UC	4
21	Theory of color	The purpose of the discipline: mastering the laws of color science and coloristics Contents: fundamentals of the laws of perception, physics, properties of color and light, psychology of visual perception. Classification of colors (main and secondary colors). The main patterns of the theory of color expressiveness, the harmony of color relations. Skills to be formed: harmonious construction of coloristic compositions based on educational productions, color scheme when creating works. Students can: • know the terminology of the subject being studied and the laws of color science, the basics of color theory; • be able to compose harmonic color compositions, mix colors in various ways: • master the artistic terminology used in working with color, sketching techniques	BD	UC	5
22	Engineering graphics	The purpose of the discipline: mastering the educational program of engineering graphics (AutoCAD) interface, tools of a professional computer program. Content: development of 2D drawing and 3D modeling of architectural projects. Principles of the computer-aided design system; Skills being formed: the free application and use of theoretical graphical primitives and their modification. Students can: • know the basic concepts necessary to perform and read technical drawings, electrical diagrams, sketches of parts, drawing up design and technical documentation; • be able to present technical ideas using a drawing, apply knowledge of engineering graphics in their professional activities; • have the tools to solve graphical problems in their subject area	BD	EC	5
23	Descriptive geometry and perspective	The purpose of the discipline: Students have knowledge of projection methods, rules for solving positional and metric problems, constructing perspectives of geometric shapes	BD	EC	5

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		and bodies, the basics of shadow theory, rules for constructing drawings and axonometric projections in a traditional graphical way and using professional computer programs (AutoCAD, etc.), skills in constructing orthogonal drawings and axonometric projections in a traditional graphical way and in professional computer programs, solving positional and metric problems, explanations of the sequence of execution of drawing and graphic works, including using a computer. Students can: • Teach projection methods, rules for solving positional and metric problems, constructing the perspective of geometric shapes and bodies, the basics of shadow theory, rules for constructing orthogonal drawings and axonometric projections • Possess design and graphic skills of performing drawings, including using computer software tools, skills in solving metric and positional tasks Apply the skills of explanation in the process of learning the sequence of execution of drawing and graphic works in pedagogical work			
24	Basics of design	The purpose of the discipline: Students have knowledge of professional computer programs (Photoshop, CorelDRAW, Adobe AfterEffects, Adobe RgemiegeRgoi, etc.) when performing design projects and methodological developments - digital educational resources, presentations, etc., skills in performing design projects and digital methodological developments using tools of professional computer programs. Future teachers have the skills of explanation in the process of learning to implement design projects, they well understand the importance of professional computer programs and digital technologiesin the development of design projects and methodological developments Students can: • Apply and teach the tools of professional computer programs (Photoshop, CorelDRAW, Adobe AfterEffects, Adobe PremierePro, etc.), rules for the implementation of design projects and digital methodological developments. • Apply the skills of performing design projects, digital digital methodological developments using computer software tools and media communications. • Apply critical and creative thinking skills to creative projects and digital educational resources. • Apply the skills of explanation in the process of learning the sequence of execution of design projects using computer software tools.	BD	EC	4
25	Assessment and development	Objective: to understand the importance of assessment in the learning process and the ability to provide constructive assessment in an ethical manner at various stages of the	BD	EC	4

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		learning process and to critically evaluate and analyze one's understanding and practice regarding assessment Students can: • be well versed in a variety of assessment and feedback methods (for example, formative and final assessment) • apply pedagogical principles to determine and recognize the levels of educational competence of students • Recognize and apply systems for developing students' self-assessment and mutual assessment skills			
26	Design and layout	The purpose of the discipline: Students have knowledge of the theory and methods of design, execution of drawings and scans, technical techniques of layout of various objects (architectural monuments, interiors, landscape, vehicles, robots, products of decorative and applied arts), design of national subjects, skills of designing and layout of various objects from various materials, using computer programs; skills of project presentation, explanations in the process of learning the rules and sequencesof creative projects, layouts and products. Students are well aware of the importance of design principles and layout technologies in teaching students design and technology in practice at school. Students can: • Teach the principles and methods of designing objects of design and decorative and applied art products, technical techniques of layout of various objects • To carry out projects and models of decorative and applied art products using the obtained theoretical design knowledge and knowledge of computer programs. • Apply research skills, critical and creative thinking skills when developing creative project ideas • Apply the skills of explanation in the process of learning the rules and sequences of creative projects, layouts and products.	BD	EC	4
27	Psychology in education and concepts of interaction and communication	Purpose: to master modern psychological theories and models, the functioning of personality and its individual properties. Content: Future teachers contribute to the favorable development of students by promoting dialogue, interaction and communication in the educational process. They are able to communicate, interact and collaborate with students' families, as well as through various other types of partnerships and create new relationships suitable for the development of their own teaching activities..	BD	EC	4
28	Artmanagement	The purpose of the discipline. Students systematize basic knowledge about the patterns of organizational development and the specifics of managing organizations in the field of art and acquire information about scientific concepts of management and marketing, as well	PD	EC	4

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		as receive qualifications from specialists in the art and handicraft industry, middle and senior managers. Students develop skills in applying modern management techniques in the field of art and master the basics of using applied knowledge in the field of the art market for business owners, ranging from art workshops and creative associations of artisans to large art sites. They form the ability to choose and implement marketing strategies that ensure its successful development. Students understand the essence and types of art management in the new management paradigm and are able to participate in the organization and formation of certain segments of the domestic art industry Students can: • to know the content and features of the functioning of the sphere of culture and art market, as well as to understand the basics of legal relations in this area • describe the specifics of management and the specifics of applying analytical directions to study the ongoing processes in the field of art economics. • explain the importance of art management for the organization and implementation of new art projects, the development of business plans in the field of the domestic creative industry			
29	Batik	Purpose: Students have knowledge of composition, sketch, the basics of color science and batik technique, the formation of practical skills and sustained interest in independent creative activity in the field of decorative and applied arts Students can: • Know the history of the development of artistic painting of fabrics, the basics of materials science, methods of drawing on fabric, techniques and ways of independently drawing up a drawing for batik • Be able to independently select the material, prepare it for work, • Perform the work efficiently, in accordance with technological requirements, comply with safety techniques • Apply the skills of explaining the sequence of performing creative compositions and batik in various techniques in the process of teaching students in pedagogical work	PD	EC	4
30	Felting and artistic embroidery	Purpose: to develop students' mastery of felting and embroidery techniques, as well as technologies of felting and embroidery. Content: Creative development by students of the heritage of world and national culture, technology, and related branches of science – from ancient times to the present day; acquisition of knowledge, skills and analytical study of the main artistic works of felt products and artistic embroidery. Methods and methods of using felting and embroidery in the fashion industry. Master the techniques and	PD	EC	5

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		technologies of working with design materials. Students can: • To know the basics of the theory and history of the origin of the main techniques of felting and embroidery, the main patterns of ornaments, styles, trends, techniques, directions of creativity of individual masters, • artistic and stylistic features of various types of felt and embroidery products; • Be able to conduct independent research, apply theory and methodological tools to their analysis, follow the sequence of execution of various types of products of folk decorative and applied art, interpret works of art, analyze masterpieces of world art from the standpoint of aesthetic relevance and spiritual and moral value of artistic images, compose ornamental compositions according to the technical characteristics of various techniques, understand and competently evaluate works art and artistic creation; • Master the basic techniques, methods and techniques of felting and embroidery, research and analytical abilities, consistency (ability to synthesize, classify), the ability to correctly use methods and techniques of analysis of felting and embroidery, skills of perception of artistic form.			
31	Diploma project as a research work	The purpose of the discipline: Students have knowledge of methods of analysis and synthesis of resources, organization and conduct of scientific pedagogical research, writing a scientific text in accordance with the rules of academic requirements based on the principles of academic integrity. Students have knowledge of creative research methods. Students have the skills of research work, the application of innovative approaches to the development of teaching methods, the skills of conducting and implementing creative research. Students understand the importance of scientific and methodological research in the field of art pedagogy for the effective organization of the educational process Students can: • know the types and forms of fine art projects for schoolchildren; • possess the skills of developing research projects in artistic and pedagogical activities; • analyze, synthesize, creatively transform information to create a project, showing a creative, research approach to the project activities of the teacher of fine arts, graphics and design	PD	EC	5
32	The art of patchwork	The purpose of the discipline: mastering technological work using traditional assembly methods. Content: techniques of technical skill that allow you to implement compositional solutions, basic techniques for creating a composition. The main types of traditional crafts, techniques of execution in the material. Skills to be formed: mastering the sequence of creating decorative and applied products in production. Students can: • To know the rules	PD	EC	4

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		of labor safety when working on a sewing machine and sewing with hand tools, the history of patchwork sewing, techniques for sewing patchwork patterns, the basics of composition, features of building patterns from a textile flap, color • Be able to properly organize the workplace when performing work and comply with labor safety rules, select and prepare materials for patchwork, determine the quality of operations performed, manufactured products • to show artistic taste, the ability to see, feel beauty and harmony and the ability to aesthetically evaluate it, the ability to analyze, evaluate your work			
33	Ceramics and pottery	The purpose of the discipline: Students possess knowledge in the field of ceramics and pottery, traditional techniques and modern technologies for the manufacture of ceramic products, demonstrate knowledge of decorative and technological varieties of modern ceramics. Students have the skills and techniques of working with clay, methods of modeling, processing of raw materials, painting and firing products, have practical skills in creating souvenirs in ceramics and other pottery materials. Students are well aware of the importance of pottery in the acquaintance and familiarization of schoolchildren with the world art culture, the development of artistic taste, imaginative thinking and creative abilities in the field of applied art. Students can: • Know the methods and techniques of pottery and ceramics • Possess the skills of using tools and devices for processing clay using both traditional and modern techniques and technologies • Use methods of performing creative works in ceramics and pottery for their professional activities and teaching students in art institutions	PD	EC	4
34	Carpet weaving and textile art processing	The purpose of the discipline: Students have knowledge about various traditional and modern types of carpet weaving (pile, lint-free, needle, etc.), the properties of traditional and modern textile materials, traditional and modern technologies of weaving and processing of textile materials (patchwork, quilt, applique, embroidery, etc.), safety when working with tools and devices for weaving and artistic processing of textiles, skills of performing decorative compositions and applied products in various traditional and modern techniques of carpet weaving and artistic textile products, skills of explaining the sequence of performing creative compositions and applied textile products and various carpet weaving techniques Students are well aware of the importance of knowledge of safety regulations, various technologies of weaving and artistic processing of textiles when	PD	EC	4

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		performing decorative and applied products and for the effective process of teaching students decorative and applied creativity in pedagogical work. Students can: • Teach the properties of textiles and various technologies of its artistic processing, traditional and modern carpet weaving technologies, safety techniques when working with tools and devices. • Perform decorative and applied works using textile processing technologies, carpet weaving. • Apply critical and creative thinking skills, self-reflection and mutual reflection skills in the process of performing decorative and applied textile works and in various carpet weaving techniques • Apply the skills of explaining the sequence of performing creative compositions and textile products in various carpet weaving techniques in the process of teaching schoolchildren in pedagogical work			
35	Composition	Purpose: Students demonstrate knowledge of the theory of composition – principles, laws, techniques and means of composition, rules of arrangement in various types of fine art (painting, graphics, sculpture), possess the skills to perform educational and creative realistic and stylized compositions in various types of fine art using the theory of composition, understand the role of compositional skills in the learning process of creativity They are able to critically evaluate and analyze the results of independent compositional activity, for further improvement. Students can: • Use and apply knowledge of the theory of composition in independent visual and decorative-applied educational and creative activities when performing realistic and decorative compositions. • Have the skills to analyze the compositional features of works of art and their own works. • Possess the skills of explaining the theory of composition in the process of teaching students fine arts and developing their compositional and creative thinking in pedagogical practice.	PD	EC	5
36	Composition of small forms	The purpose of the discipline: Students have knowledge in the field of application of modern techniques and technologies, materials for the manufacture of sculpture of small shapes, its types and content, skills and techniques for making sculptures of small shapes, performing creative works in three-dimensional plastic, from the development of a sketch to the embodiment of an idea in the material. Future teachers demonstrate knowledge of artistic and expressive means of sculpture. Students understand the role and importance of the volume-plastic art of sculpture for the aesthetic development of personality, the formation of spatial thinking for solving artistic and creative tasks. Students can: • Know	PD	EC	5

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		the methods and techniques of performing small-form sculpture • Possess the skills of using equipment and materials for modeling using both traditional and modern techniques and technologies; • Use methods of performing creative works in large-scale plastics for professional activities and teaching students sculpture in art institutions			
37	Computer graphics	The purpose of the discipline: Students have knowledge of design computer raster and vector programs (Photoshop, CorelDRAW, Adobe AfterEffects, Adobe RgemiegeRgoi, etc.) when performing creative works and projects of graphic design and advertising, digital educational resources, presentations, etc., skills in performing creative works and digital educational resources using tools of professional computer programs, explanations in in the process of learning the rules and sequence of execution of design projects. Students are well aware of the importance of computer programs and digital technologiesin the creation of works of digital art and methodological developments. Students can: • Teach professional computer programs (Photoshop, CorelDRAW, Adobe AfterEffects, Adobe PremierePro, etc.), rules for performing creative works and projects, digital educational resources and presentations. • Perform creative works and projects of digital educational resources and presentations using computer software tools and media communications • Apply critical and creative thinking skills when performing creative projects and digital educational resources. Apply the skills of explanation in the process of learning the rules for performing creative work using computer software tools.	PD	EC	4
38	Computer design	The purpose of the discipline: the formation of comprehensive knowledge and practical skills in the field of computer design Content: Methods and means of constructing and processing graphic images. Vector and raster graphics in design. Fractal graphics. Applied software tools of computer design. Three-dimensional modeling. Fundamentals of multimedia technologies. Skills being formed: performing design work in the field of computer design Students can: • to study the fields of application, means and methods of computer graphics, the history of design and the main stages of its development, the specifics of design activity, the basics of shaping and style formation, modern trends in design development, types of design, methods of searching for new design solutions in the field of design. • be able to organize and search for ideas for solving design problems in the field of computer graphics, choose evaluation criteria and use them in analyzing	PD	EC	4

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		decisions made in the process of design activity, • master the methods of using information technology to solve computer graphics problems, • navigate current trends in computer graphics and computer graphics software.			
39	Designing clothes	The purpose of the discipline: Students of the technology of processing sewing products, the sequence of their manufacture, knowledge of the features of various styles of clothing, manufacturing technology of the national Kazakh costume, safety rules when working with tools and equipment of sewing production. Students have the skills to make sewing products in compliance with technological requirements. Future teachers have the skills to explain to students in pedagogical practice the sequence and technological features of the processes of tailoring Students are well aware of the importance of knowledge of technology in the process of making sewing products and for the effective process of teaching sewing to schoolchildren in pedagogical practice Students can: • Know the technological requirements for the processing of sewing products, the sequence of their manufacture, clothing styles, features of the manufacturing technology of the national Kazakh costume, safety rules when working with tools, devices and equipment of sewing production. • Demonstrate the skills of making sewing products in compliance with technological requirements. • Have the skills to explain to students in pedagogical practice the sequence and technological features of the processes of tailoring	PD	EC	4
40	Patchwork sewing	The purpose of the discipline: mastering technological work using traditional assembly methods, developing a creative personality, mastering practical skills in processing textile materials in order to create fabric products. Content: techniques of technical skill that allow you to implement compositional solutions, basic techniques for creating a composition. The main types of traditional crafts, techniques of execution in the material. Production of household items in patchwork technique. Skills to be formed: mastering the sequence of creating decorative and applied products in production. Students can: • To know the rules of labor safety when working on a sewing machine and sewing with hand tools, the history of patchwork sewing, techniques for sewing patchwork patterns, the basics of composition, features of building patterns from a textile flap, color • Be able to properly organize the workplace when performing work and comply with labor safety rules, select and prepare materials for patchwork, determine the quality of operations	PD	EC	4

№	Name of discipline	Short description of discipline	Cycle	Component	Credits
		performed, manufactured products • to show artistic taste, the ability to see, feel beauty and harmony and the ability to aesthetically evaluate it, the ability to analyze, evaluate your work			
41	Workshops of your choice	The purpose of the discipline: to study the methods of performing a creative diploma project Students know the forms and methods of project activity, the technology of performing creative work, the sequence of work on the graduation project, the stages of the project from the sketch to the finished story composition. Students have the skills to perform and present the idea of a graduation project. The student understands the importance and purpose of guiding the student's artistic and research activities as one of the important components of pedagogical activity. Students can: • know the types and forms of fine art projects for schoolchildren; • possess the skills of developing research projects in artistic and pedagogical activities; analyze, synthesize, creatively transform information to create a project, showing a creative, research approach to the project activities of the teacher of fine arts, graphics and design	PD	EC	5
42	Labor protection and safety equipment	The purpose of the discipline. Students have an understanding of the functions, principles, strategies and concepts of marketing, marketing tools for promoting products and services on the market. They are trained in conducting marketing research and technology for bringing goods to market, the basics of communication policy and competition for consumers, and master methods and methods of marketing analysis in the process of project management. Students master the skills of teaching teenagers marketing activities in school lessons, active communication with people in the process of gaining knowledge about market mechanisms and understand business concepts well, as well as the role of marketing and innovation in modern art business and issues of organization and implementation of business processes. They are able to think independently and creatively, navigate the huge flow of socio-economic information, identify the subjects and objects of business that regulate business relations. Students can: • develop a business development strategy using strategic marketing tools and teach students the basics and techniques of marketing in an exciting and accessible way; • to popularize information about marketing in the school audience as a promising direction in the labor market; • develop alternative options for achieving marketing and corporate goals and use tools to	PD	EC	4

№	Name of discipline	Short description of discipline	Cycle	Component	Credits
		create a portfolio of marketing strategies; • develop plans to ensure the implementation of the marketing strategy, its adjustments in a specific market situation; • conduct a strategic analysis of the external and internal marketing environment, apply its results in the development of marketing solutions and strategies.			
43	Safety rules in production	Purpose: Students are able to form fundamental knowledge in the field of occupational safety and health, which allows them to conduct independent work on the organization of safe and healthy working conditions at work. Students have an idea of: – the procedure and accounting, investigation of accidents and occupational diseases at work; – about safety measures during technological processes; acquire practical skills: – in matters of occupational safety and health. Students can: – to know the main legislative acts and regulations on labor protection, methods of assessing working conditions and analyzing the causes of occupational injuries and occupational diseases, about dangerous and harmful production factors, methods and means of combating them at facilities, technical measures: widespread introduction of modern technology, mechanization and automation of production, the use of new technological processes, 4 electrical safety and fire safety requirements; – be able to assess and optimize working conditions, analyze the causes and predict the conditions of occupational injuries and occupational diseases, determine the main parameters of fire hazard of substances and structures, develop and organize protective measures against dangerous and harmful factors;	PD	EC	4
44	Industrial training	Purpose: Students possess knowledge about general cultural and professional competencies in the field of professional pedagogical activity for the successful solution of professional pedagogical tasks, are able to organize the educational and production (professional) process through productive work and about the tasks of the upcoming labor process, conditions, means, methods of performing and controlling labor actions Students can: • Have an idea about the system of technical and vocational education in the Republic of Kazakhstan; • Know the structure of VET, the content of the activities of vocational education institutions; • Be able to organize the main types of professional activities in VET institutions • Understand the essence and social significance of your future profession, and show sustained interest in it. • Organize your own activities based on the goals and ways to achieve them, defined by the head. • Analyze the work situation, carry	PD	EC	5

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		out current and final control, evaluate and correct your own activities, and be responsible for the results of your work. • To search for information necessary for the effective performance of professional tasks. • Use information and communication technologies in professional activities. • Work in a team and effectively communicate with colleagues, management, and clients.			
45	Professional computer programs (3ds Max)	Purpose: Students have knowledge of professional computer programs (Photoshop, CorelDRAW, Adobe AfterEffects, Adobe Rgemiegogo, etc.) when performing design projects and methodological developments - digital educational resources, presentations, etc., skills in performing design projects and digital methodological developments using the tools of professional computer programs. Future teachers have the skills of explanation in the process of learning to implement design projects, they well understand the importance of professional computer programs and digital technologiesin the development of design projects and methodological developments Students can: • Apply and teach the tools of professional computer programs (Photoshop, CorelDRAW, Adobe AfterEffects, Adobe PremierePro, etc.), rules for the implementation of design projects and digital methodological developments. • Apply the skills of performing design projects, digital digital methodological developments using computer software tools and media communications. • Apply critical and creative thinking skills to creative projects and digital educational resources. • Apply the skills of explanation in the process of learning the sequence of execution of design projects using computer software tools.	PD	EC	5
46	Working with natural materials	Purpose: Students have knowledge of the selection and processing of natural materials for the production of creative works, skills and techniques of working with natural materials, transfer of the artistic image of the manufactured object, skills of preliminary preparation of materials for use in work. Students demonstrate knowledge about the technological features of various materials as one of the ways of self-expression that blurs the boundaries between art, nature and learning and understand the importance and significance of making crafts from natural materials in school art education to generate interest in creativity. Working with natural materials includes great opportunities for bringing a child closer to his native nature, fostering a careful, caring attitude towards it. Students can: • Know the methods and techniques of selection and preparation of natural	PD	EC	4

№	Name of discipline	Short description of discipline	Cycle	Component	Credits
		materials for the manufacture of creative products • Possess the skills of using tools and devices for processing natural materials using both traditional and modern techniques and technologies • Use methods of processing natural materials and making products from them for the education and training of students in art institutions			
47	Drawing on fabric	The purpose of the discipline: to gain knowledge about the technology of performing the main types of artistic painting on fabric. Formation of skills in artistic painting of fabric using various techniques and techniques; formation of professional competence of a bachelor of pedagogical education through the formation of knowledge systems about the technology of artistic painting on fabric. Students can: • know the history of the development of artistic painting of fabrics; rules for the use of tools, devices, dyes when painting fabrics in various techniques; basic techniques of fabric painting; • be able to organize a workplace; use tools and devices for artistic painting of fabrics; produce artistic painting of textiles using various techniques and techniques of artistic painting of fabric; use additional effects and techniques in painting fabrics; decorate products with artistic painting of fabrics in techniques of cold and hot batik, free painting, nodular dyeing; observe safety rules when working with dangerous tools and dyes; • possess the technology of artistic painting on fabric; • demonstrate the ability and willingness to apply the acquired knowledge in practice	PD	EC	4
48	Creative ceramics and sculpture	Purpose: Students consciously use the acquired theoretical knowledge of ceramics, plastic anatomy in their educational and creative work, when performing planar and three-dimensional sculpture from nature and by representation, possess the skills of composing and performing planar and three-dimensional sculptural works using knowledge of plastic anatomy, techniques, properties of materials and expressive means of ceramics and sculpture, are able to critically evaluate the results of your plastic visual activity in order to further improve it, explanations of the rules for performing plastic compositions, understand the importance of knowledge of plastic anatomy in visual activity, the properties of materials and techniques of ceramics and sculpture in the process of teaching fine arts to schoolchildren. Students can: • Be able to put into practice in independent visual activity in various types and genres of fine art knowledge of plastic anatomy • To use and put into practice in independent visual activity knowledge about the	PD	EC	4

№	Name of discipline	Short description of discipline	Cycle	Component	Credits
		properties of materials and expressive means of ceramics and sculpture, the rules of compositional solution of planar and three-dimensional sculpture and ceramics • Possess the skills of self-reflection and mutual reflection when performing sculptural reliefs, three-dimensional sculpture in various plastic materials and techniques. Possess the skills of explaining the theory of plastic anatomy and the practice of performing sculptural and ceramic works in the process of teaching schoolchildren in pedagogical work			
49	Woodworking technology	Purpose: Students have knowledge of woodworking technologies, technologies for producing wood products and wood materials, are able to use various tools and technologies to produce wood products, understand the essence of the processes occurring during wood processing. Students will master the skills of working with a tool for manual wood processing and working on a lathe Students can: • know the theoretical foundations of woodworking; • develop students' conscious attitude to work. • to form the skills of a work culture: accuracy, precision, the ability to perform work efficiently and on time, to use materials economically • possess the methods necessary to achieve optimal technological and economic results in solving the tasks of cutting wood raw materials; • perform wood processing operations using drawings, sketches, process maps;•	PD	EC	5
50	Sewing technology	The purpose of the discipline: Students have knowledge of the technology of processing sewing products, the sequence of their manufacture, knowledge of the features of various styles of clothing, the technology of making the national Kazakh costume, safety rules when working with tools and equipment of sewing production. Students have the skills to make sewing products in compliance with technological requirements. Future teachers have the skills to explain to students in pedagogical practice the sequence and technological features of the processes of tailoring The student is well aware of the importance of knowledge of technology in the process of making sewing products and for the effective process of teaching schoolchildren sewing in pedagogical practice Students can: • Know the technological requirements for the processing of sewing products, the sequence of their manufacture, clothing styles, features of the manufacturing technology of the national Kazakh costume, safety rules when working with tools, devices and equipment of sewing production. • Demonstrate the skills of making sewing products in	PD	EC	4

№	Name of discipline	Short description of discipline	Cycle	Component	Credits
		compliance with technological requirements. • Have the skills to explain to students in pedagogical practice the sequence and technological features of the processes of tailoring			
51	Artistic metal processing	The purpose of the discipline: Students have knowledge about the properties of various metals, safety when working with tools and devices for metal work, technologies, various techniques and methods of metal processing (inlay, engraving, stamping, stamping, wire work, etc.), skills in performing decorative compositions and applied metal products using various technologies. Future teachers have the skills to explain the sequence of performing creative compositions and metal products. Students are well aware of the importance of knowledge about safety, the properties of various metals and their processing technologies for achieving results in their own creative work and for the effective process of teaching students decorative and applied creativity in pedagogical work Students can: • Teach the properties of metals, safety techniques when working with tools and devices for working on metal, features of various techniques and methods of artistic metalworking • Apply knowledge about technologies, safety, techniques and methods of metal processing when performing decorative and applied works • Apply the skills of critical and creative thinking, self-reflection and mutual reflection in the process of performing decorative and applied metal works Apply the skills of explaining the sequence of performing creative compositions made of metal in the process of teaching schoolchildren in pedagogical work	PD	EC	4
52	Artistic processing of wood and other materials	Purpose: Students have knowledge about safety when working with various tools and devices, the properties of traditional materials (wood, leather, bone, etc.), technologies, techniques and methods of processing traditional materials (inlay, engraving, painting, applique, embossing, etc.), skills in performing decorative compositions and applied products from various materials traditional materials with the use of various artistic technologies. Future teachers have the skills to explain the sequence of performing creative decorative and applied works from various traditional materials. Students are well aware of the importance of knowledge of the properties of various traditional materials and technologies of their processing, safety rules for achieving the results of their own YandexGPT Чат с поддержкой ВКонтакте Телеграм © 2011–2024 «Яндекс» Мобильная версиясreative work and for the effective process of teaching students decorative and	PD	EC	4

№	Name of discipline	Short description of discipline	Cycle	Component	Credits
		applied creativity in pedagogical work Students can: • To teach the properties of traditional materials, safety techniques when working with various tools and devices, the features of various technologies of artistic processing of traditional materials • Perform decorative compositions and applied products made of traditional materials in compliance with safety regulations, using various technological techniques of artistic processing. • Possess critical and creative thinking skills in the process of performing decorative and applied works from various traditional materials • Apply the skills of explaining the sequence of performing creative compositions and products made of various traditional materials in the process of teaching students decorative and applied creativity in pedagogical work.			
53	Artistic processing of traditional materials (Artistic felt and embroidery)	The purpose of the discipline: the formation of students' theoretical foundations and skills for analyzing and using in their practice the material phenomena of culture of various peoples. The creative development by students of the heritage of world and national culture, technology, and related branches of science – from ancient times to the present day; the acquisition of knowledge, skills and analytical study of the main artistic works of felt products, descriptions of expressive means used in practice by students is the main task of this discipline. Students can: • To know the main achievements of the material culture of various peoples and epochs, the specifics of the subject culture of the native land. • Be able to independently find the necessary historical material in the literature on issues of interest, competently analyze and use it in the development of their own design projects in the technology of manufacturing felt products	PD	EC	5
54	Artistic weaving and processing of textile materials	The purpose of the discipline: Students have knowledge about the types of weaving, the properties of textile materials, traditional and modern technologies of weaving and processing of textile materials, safety when working with tools and devices for weaving and artistic processing of textile materials, skills in performing decorative compositions and applied products in various weaving techniques and textile materials (tapestry, needle carpet making, shi, batik, etc.), explanations of the peculiarities of performing creative compositions and applied products from various textile materials and in various weaving techniques. Students are well aware of the importance of knowledge about various technologies of weaving and artistic processing of textile materials in the performance of	PD	EC	4

№	Name of discipline	Short description of discipline	Cycle	Component	Credits
		decorative and applied products and for the effective process of teaching students decorative and applied creativity, design and technology in pedagogical work Students can: • To teach the properties of textile materials, safety techniques when working with tools and devices for working with textile materials, types of weaving, features of various techniques and methods of making woven products and artistic processing of textile materials • Apply knowledge about the properties, technologies, safety techniques, techniques and methods of processing textile materials, weaving technologies in creative decorative and applied activities • Apply the skills of critical and creative thinking, self-reflection and mutual reflection in the process of performing decorative and applied works • Apply the skills of explaining the peculiarities of performing creative compositions and products made of various textile materials, in various weaving techniques in the process of teaching students decorative and applied creativity, design and technology in pedagogical practice			
55	Digital Art	Purpose: Students have knowledge about works of modern digital art (photography, animation, media, etc.), professional computer programs (Photoshop, CorelDRAW, Adobe AfterEffects – animation creation, Adobe PremierePro – video editing, etc.), skills in performing works of modern digital art, animated videos, etc., using modern methods of transmitting aesthetic information in the media space, they well understand the importance of special knowledge in creating works of digital art, and for the effective process of teaching students digital art in practice at school. Students can: • Teach methods of creating works of digital art using professional computer programs • Perform works of digital art using the tools of professional computer programs using modern design requirements. • Apply the skills of critical and creative thinking, self-reflection and mutual reflection in the process of choosing the means of expression and tools of professional computer programs for creating works of digital art • Possess creative, communicative, computer skills to place completed digital works in the media space • Apply the skills of explaining to schoolchildren in the practice of performing works of digital art using computer software tools	PD	EC	5
56	Jewelry art	The purpose of the discipline: Students possess knowledge about the properties of metals, traditions of folk jewelry art, modern trends in the development of jewelry, safety when	PD	EC	4

№	Name of discipline	Short description of discipline	Cycle	Component	Credits
		working with tools and devices for jewelry, technologies of jewelry processing of metals, skills of performing jewelry compositions from various metals using traditional and modern technologies, explaining the features of performing jewelry compositions from metal. Students are well aware of the importance of knowledge about the properties of metals and processing technologies in jewelry for achieving results in their own creative work and for the effective process of teaching students decorative and applied creativity in pedagogical work Students can: • Teach the properties of metals used in jewelry art, folk traditions and modern trends in the development of jewelry art, safety techniques when working with tools and devices for working on metal, features of various techniques and methods of jewelry processing of metals • Apply knowledge about the technologies of jewelry art, safety when performing jewelry decorative works • Apply the skills of critical and creative thinking, self-reflection and mutual reflection in the process of performing metal jewelry • Apply the skills of explaining the peculiarities of making metal jewelry in the process of teaching students decorative and applied creativity, design and technology in pedagogical work.			