

EDUCATIONAL INSTITUTION "ALIKHAN BOKEIKHAN UNIVERSITY"

MODULAR EDUCATIONAL PROGRAM
6B01510 - "Geography-History"

Semey 2022

Developed by the Department of History and Social Sciences and Humanities

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Content

1. Explanatory note
2. The graduate's competence model
3. The list of modules included in the MOS with their brief characteristics

1. Explanatory note of the educational program 6B01510 – "Geography-History"

2.

The modular educational program (MOE) is based on:

- The State standard of higher and Postgraduate education, approved by the Order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 No. 2;
- Rules for the organization of the educational process on credit technology of education, approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152;
- Standard rules of activity of organizations of higher and (or) postgraduate education, approved by the Order of the Minister of Education and Science of the Republic of Kazakhstan dated October 30, 2018 No. 595;
- Professional standard "Teacher" approved by the Order of the Chairman of the Board of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken" No. 133 dated June 8, 2017;
- Structures of the modular educational program (Form No. 26, revision No. 3 of 08.10.2021).

The modules of the OOD block (OK 51 credits) and elective components (KV) – 5 credits, include disciplines common to all educational programs, during the study of which the graduate must master the following knowledge of the laws of the development of society and its socio-political, legal, economic, environmental foundations, as well as cultural and historical values, fundamentals of computer science, language communication and understanding of the principles of a healthy lifestyle, possession of information about the political life of the country.

The DB block includes disciplines of the university component (OK) – 41 credits and elective components (KV) – 71 credits. Modules of these disciplines form scientific, theoretical and methodological knowledge, practical skills and abilities in the field of geography and history.

The PD block includes disciplines of the university component (OK) – 25 credits and elective components (KV) – 35 credits. Modules of these disciplines allow you to form a complex of key and special knowledge acquired by the graduate about professional qualities, including theoretical and empirical knowledge, as well as skills for practical actions, the ability to analyze and solve geographical and historical problems, for successful problem solving.

The criterion for the completion of the educational process is the student's mastering of 228 credits of theoretical training and 12 credits of final certification. The MOS consists of 21 modules.

The following social partners took part in updating educational programs:

Zhumadilova A.E. – teacher of geography and history of secondary school No. 3;

Kalybaev A.Zh. – Geography teacher of secondary school No. 17;

E.E. Shangirbayev – Geography teacher of Secondary school No. 38;

Rotanova I.N. - Associate Professor of the Department of Physical Geography and GIS of the Institute of Geography of Altai State University.

Sadykov Zh.A. – PhD, Associate Professor of the Department of "Social Work and Tourism" ESIL UNIVERSITY.

EP purpose: Training of highly qualified personnel with professional knowledge, skills and abilities in the field of education on the basis of the formation of general cultural and professional competencies, the personality of the teacher, able to ensure the effectiveness of the educational process on the basis of classical and innovative teaching methods, the personality, capable of professional growth and professional mobility in the new conditions of educational practice.

RESULTS OF TRAINING ON OP 6B01510 "GEOGRAPHY-HISTORY"

ON1- To understand the meaning of the principles and culture of academic integrity, to systematize, summarize economic and legal information for use in professional activities, as well as to navigate the issues of market economy and entrepreneurship, to analyze the phenomena of the legal and economic order and to know the organizational and legal forms of entrepreneurial activity.

ON2- Apply knowledge and understanding of the functional features of oral and written professionally-oriented texts, including scientific and technical ones; recognize and use in oral and written statements the main grammatical units characteristic of professional speech; carry out foreign language communication within the framework of professional communication.

ON3- Demonstrate knowledge of the main provisions and categories of modern psychological and pedagogical science, age-related physiology and school hygiene, apply in practical pedagogical activities skills in the application of methods and technologies of educational activities and inclusive education in accordance with the age characteristics of students, as well as in the management of the holistic pedagogical process of the school.

ON4- Master the methodology of organizing research in the field of geography, processing statistical and empirical data, including using various computer programs, the ability to use information technologies, software in the field of professional activity.

ON5- Demonstrate knowledge and understanding of the conceptual apparatus, historical facts, phenomena, concepts and theories that characterize the integrity of the historical process based on advanced achievements in the field of historical science; explain the theoretical and methodological foundations of history, show the current state of historical science, use the principles of causal, temporal and spatial analysis to study historical processes and phenomena; explain the logic of the development of national and world history, global processes in their historical and economic conditionality;

ON6-Apply knowledge and understanding of civilizational and formational approaches to the study of the historical process, identify the system of complex dependencies and the continuity of various types of civilizations, explain the mechanisms of formation and development of historical forms of statehood, the evolution of state and legal institutions, sedentary and nomadic civilizations, and their cultural identification;

ON7- Evaluate and correlate the overall picture of the world historical process with its regional and local features, formulate arguments in favor of applying an integrative interdisciplinary approach to the study of historical and cultural facts and events; summarize cultural diversity and its significance in the progress of world history; show the role of individuals in promoting social projects in history;

ON8- Identify and apply theoretical and methodological approaches to the study of history, identify and select modern methods of scientific knowledge, independent search for scientific and historical information; possess the methodology of historical research, analyze and interpret the

historiographic and source-related aspects of historical material, possess methods and techniques of critical analysis and scientific interpretation of historical sources, the specifics of academic writing and apply them to solve educational, practical and professional tasks;

ON9- Demonstrate understanding and possess knowledge of the methodological foundations and theoretical problems of geography, approaches to their solution, classify modern problems of geographical science, apply theoretical and practical knowledge to solve educational, practical and professional problems in the field of geography and its teaching methods;

ON10-To explain and analyze the features of the development of historical and geographical processes, to understand the general patterns; to determine the specifics of using modern methods of scientific knowledge in the study of geographical and historical development; to identify the main facts that characterize the historical and geographical orientation, the dynamics of the development of countries; to compare the models of geographical and historical development of Kazakhstan and the countries of the world.

ON11- To establish and compare modern theoretical, methodological and applied aspects of socio-economic, political geography, to analyze modern problems of socio-economic, political geography, geographical patterns of development of territorial socio-economic, political systems; to identify modern demographic, ethnic and geopolitical problems; to display the geographical specifics of local, regional and global problems of our time, to make forecasts and models of territorial development, to master the methodology of studying the territorial organization of society.

ON12- To apply knowledge and understanding of theoretical and applied aspects of physical geography to analyze modern problems of physical geography, to master the methodology of studying natural and territorial complexes; to have scientific ideas about ways to optimize the natural environment; to make climatic, hydrological, natural characteristics of territories, to possess skills of working with cartographic material, to possess methods of environmental monitoring, to apply the basics of physical and geographical knowledge in practice.

ON13 – Design the learning process and implement the educational potential of the disciplines of geography and history, develop lesson modules, apply innovative technologies, master the methodology of criterion-based learning, evaluate the effectiveness of the educational technologies used, master the skills of pedagogical rhetoric, pedagogical cooperation; demonstrate modern methodology and methods for solving professional problems in the context of the principles and culture of academic integrity, develop skills for further professional training.

In order to create special conditions for people with special educational needs to receive education, the graduate's competence model is supplemented with professional competencies that ensure the adaptive nature of the main educational program. To this end, courses for the formation of the ability of persons with special educational needs to successfully socialize in society and actively adapt to the labor market, taking into account the characteristics of the disease, are introduced into the catalog of courses of the additional educational program "Minor".

2. THE GRADUATE'S COMPETENCE MODEL

The learning outcomes are determined on the basis of the Dublin descriptors of the first level (bachelor's degree) and are reflected in the competencies that the graduate must master.

Competence is the possession of a certain competence, the availability of knowledge, skills and abilities necessary for effective activity in a certain professional field.

Competence is the ability to apply knowledge, skills, and successfully act on the basis of practical experience in solving professional tasks.

Competencies that a graduate must have in order to be awarded a Bachelor of Education degree according to the educational program 6B01510 "Geography-History".

I. Competence of general education

- aimed at forming the ideological, civil and moral positions of the future specialist, competitive on the basis of knowledge of information and communication technologies, building communication programs in Kazakh, Russian and foreign languages, orientation to a healthy lifestyle, self-improvement and professional success;
- form a system of general competencies that ensure the socio-cultural development of the personality of the future specialist on the basis of the formation of his ideological, civil and moral positions;
- develop the ability to interpersonal social and professional communication in Kazakh, Russian and foreign languages;
- contribute to the development of information literacy through the mastery and use of modern information and communication technologies in all areas of their lives and activities;
- form skills of self-development and education throughout life;
- form a personality capable of mobility in the modern world, critical thinking and physical self-improvement;
- to evaluate the surrounding reality on the basis of worldview positions formed by knowledge of the fundamentals of philosophy, which provide scientific understanding and study of the natural and social world by methods of scientific and philosophical cognition, to reveal the meaning of the content and specific features of the mythological, religious and scientific worldview;
- to show a civic position based on a deep understanding and scientific analysis of the main stages, patterns, peculiarities of the historical development of Kazakhstan, to use methods and techniques of historical description to analyze the causes and consequences of events in the history of Kazakhstan;
- to assess situations in various spheres of interpersonal, social and professional communication, taking into account basic knowledge of sociology, political science, cultural studies, psychology, arguing their own assessment of everything happening in the social and industrial spheres, as well as synthesize knowledge of these sciences as a modern product of integrative processes;
- to use scientific methods, methods of research of a specific science, as well as the entire socio-political cluster, to choose the methodology, analyze and summarize the results of the study;
- to develop their own moral and civic position on the basis of social, business, cultural, legal and ethical norms of the Kazakh society;
- to put into practice knowledge in the field of social sciences and humanities, which has worldwide recognition, synthesize new knowledge and present it in the form of humanitarian socially significant products;

- to engage in communication in oral and written forms in Kazakh, Russian and foreign languages, using language and speech means based on grammatical knowledge to solve problems of interpersonal, intercultural and industrial (professional) communication, as well as to analyze information, actions and deeds of communication participants in accordance with the communication situation;
- to use various types of information and communication technologies in personal activities: Internet resources, cloud and mobile services for the search, storage, processing, protection and dissemination of information;
- to build a personal educational trajectory throughout life for self-development and career growth, to focus on a healthy lifestyle to ensure full-fledged social and professional activities through methods and means of physical culture;
- Knowledge and understanding of the basic laws of the history of Kazakhstan, the basics of philosophical, socio-political, economic and legal knowledge, communication in oral and written forms in Kazakh, Russian and foreign languages;
- apply the acquired knowledge for effective socialization and adaptation in changing socio-cultural conditions, possess the skills of quantitative and qualitative analysis of social phenomena, processes and problems.

II. General professional competencies

1. Labor function: training

Upon graduation , the graduate is able to:

- Plan, design and conduct geography classes using didactic knowledge in integration with knowledge in the relevant field; traditional and innovative technologies; new achievements in the field of psychological and pedagogical sciences.
- Develop current educational and organizational documentation (didactic, control and measuring materials, etc.), have organizational skills, show high executive discipline.
- Having a system of subject, psychological, pedagogical and methodological knowledge, to realize professional activity, to be able to generate new pedagogical ideas, to critical thinking.
- To form and develop linguistic, communicative, informational, professional competencies of students using a competence-based approach to teaching geography.

To do this, the graduate must have:

Skills and abilities:

- develop educational and methodological complexes that meet the world standard of education;
- possess the methodology and evaluate the effectiveness of the educational technologies used;
- possess the technology of criteria-based learning;
- apply IT technologies in the process of independent work;
- ability to set goals and objectives related to the implementation of professional functions;
- to form an idea about pedagogical activity, about the role of the teacher in the pedagogical process and about the features of the management process;
- possess general psychology and general pedagogy, means and methods of pedagogical activity;
- to organize and put into practice modern methods and educational technologies in conducting educational activities;
- apply various types of educational technologies in conducting educational activities;

to diagnose the state of the pedagogical process of educational institutions, interpersonal relationships in the team and the peculiarities of personality development;

Knowledge:

- classical provisions of school didactics in integration with theoretical concepts of geographical and historical areas (academic subjects, educational areas);
- new achievements in the field of psychological and pedagogical sciences;
- pedagogical technologies of differentiated and integrated learning, developmental learning, features and specifics of the competence approach in teaching;
- methods of developing students' research skills;
- methods of pedagogical goal-setting for designing new models and strategies of the educational process
- principles and mechanisms of integration and continuity of school, post-secondary and higher education;
- paradigms of co-study of languages, co-study of languages and cultures (for teachers involved in multilingual education programs);

2. Labor function: educating

Upon graduation , the graduate is able to:

- To build the educational process, observing pedagogical tact, showing respect for the personality of students and adherence to the system of universal and national values in their unity, as well as to resist any kind of discrimination and extremism.
- To develop a favorable educational environment for the realization of cultural and linguistic needs of students; to form a tolerant attitude of students to a different culture, to a different way of life.

To do this, the graduate must have:

Skills and abilities:

- observe pedagogical tact, rules of pedagogical ethics;
- show respect for the personality of students;
- adhere to a democratic style in relations with students;
- to show commitment to the highest social values, to the ideas of humanistic pedagogy;
- to be attached to the system of universal and national values in their unity;
- builds the educational process taking into account the national priorities of Kazakhstan;
- to form a tolerant attitude to a different culture, to a different way of life

Knowledge:

- school pedagogy;
- educational psychology;
- innovative technologies for the education of school and adolescent children;

- educational potential of historical subjects (subject areas in geography and history);
- principles of integration of educational content with national values of Independent Kazakhstan

1. Labor function: social and communicative

Upon graduation , the graduate is able to:

- Based on the forms and methods of cooperation in the professional community and interaction with various social groups, initiate innovative ideas that unite education stakeholders and involve them in the educational process.
- To speak Kazakh, Russian, foreign languages; skills of constructive dialogue, communication in a multicultural, multi-ethnic and multi-confessional society.
- Integrate knowledge from various subject areas in solving pedagogical tasks.

To do this, the graduate must have:

Skills and abilities:

- independently involve students in the system of additional education;
- independently initiate innovative ideas that unite education stakeholders (various creative associations, associations, etc.);
- independently involve representatives of professional communities, law enforcement agencies, social services, children's and youth movements, youth associations, public and political parties, non-governmental organizations, etc. in the educational process.

Knowledge:

- fundamentals of communication psychology and professional communication;
- forms and methods of cooperation in the professional community, including the network community;
- forms and methods of interaction with various social groups (external stakeholders of education);
- fundamentals of professional leadership
- communication technologies, communication strategies;

III. Special competencies

1. Labor function: methodical

Upon graduation , the graduate is able to:

- to choose and apply in practice methods, forms, modern educational technologies in teaching geographical and historical disciplines;
- apply theoretical and practical knowledge to solve educational, practical and professional tasks in the field of geography, history and teaching methods
- master the methodology of organizing research in the field of geography and history
- to identify the main facts characterizing the geographical orientation, to compare the models of geographical development of Kazakhstan and the countries of the world
- to establish and compare modern theoretical, methodological and applied aspects of socio-economic, political geography,
- analyze the current problems of socio-economic, political geography,
- identify current demographic, ethnic and geopolitical problems;

- display the geographical specifics of local, regional and global problems of our time.
- application of knowledge and understanding of theoretical, applied aspects of physical geography with analyzing modern problems of physical geography
- to determine the specifics of the use of modern methods of scientific cognition in the study of geographical development
- to apply various methods in geographical and historical-pedagogical activities;
- apply methods of geographical and historical analysis and generalization;
- possess the learning skills necessary for independent continuation of further education in the field of geography and history;
- evaluate historical events, facts, personalities in history;
- identify the main categories and positions of modern geographical, historical and pedagogical science and consciously apply them in the process of practical activity;
- to collect and interpret information to form judgments of processes in the context of general trends in the historical development of Kazakhstan and the countries of the East and West
- methodically design a system of teaching geography and history, develop working curricula;
- to recognize the key achievements of the largest historical scientists who have influenced the modern look of historical science;
- to use various types of methods of historical research in accordance with the goals and objectives of the practice;
- apply the techniques of historical analysis to reveal the essence and significance of historical events and phenomena of the past and present.
- analyze historical sciences such as archaeology, fundamentals of museology and archival studies, historiography, source studies, anthropology, epigraphy, numismatics, ethnology, historical local lore, etc.,
- to apply in practice the basic knowledge of national and world history, revealing the content of the processes of acquisition, systematization and use of knowledge;
- compare the models of historical development of Kazakhstan and the countries of the world;

To do this, the graduate must have:

Skills and abilities:

- independently plan their professional development;
- independently choose information from Internet sources;
- under the guidance of a mentor to determine methods and techniques, to form general academic skills and skills of students;
- develop training materials in accordance with the set goals of classes under the guidance of a mentor and/or in accordance with instructions and requirements;
- in cooperation with colleagues, create a favorable learning environment for students

Knowledge:

- methods of self-determination for the development of additional knowledge;
- ways to implement individual professional development plans ;
- principles and methods of constructing situational pedagogical tasks;
- principles and methods of development of educational and program documentation;

2. Labor function: research

Upon graduation, the graduate is able to:

-Study the level of assimilation of educational content by students, explore the educational environment

To do this, the graduate must have:

Skills and abilities:

- independently use the results of diagnostics of individual characteristics of students;
- in cooperation with colleagues, identifies needs and difficulties in teaching geography and history;
- use methods of joint reflection with colleagues in the context of practice research;
- plan and conduct research in geographical and historical fields under the guidance of a mentor.

Knowledge:

- principles and methods of studying the educational environment;
- methods of research in the field of geography and history;
- methods of psychological and pedagogical tracking of students' activities

4. Table 1. The sequence of mastering disciplines in the process of forming special competencies according to the educational program 6B01510 "Geography-history"

№	Competence	List of compulsory, elective disciplines and sequence their studies on each learning path		Expected results
		List of disciplines	The sequence of their study	
1.	special	History of the ancient world	3 term	To know: the main stages and patterns of development of society in the period of antiquity, the chronological framework of the era of the ancient world, the criteria of scientific periodization of the world historical process, the basic terminology of historical science, the main approaches to understanding the essence of historical processes and phenomena of antiquity; the main stages of the history of primitiveness, the genesis of economic,

				<p>political and cultural development of the Ancient East, antiquity; driving forces and patterns the historical process, the most important achievements of the culture of the ancient era; apply knowledge and understanding of the civilizational approach to the study of the historical process, identify a system of complex dependencies and continuity of various types of civilizations, explain the mechanisms of formation and development of historical forms of statehood, the evolution of state-legal institutions;</p> <p>Be able to: analyze historical phenomena and processes in their economic, political, cultural manifestations; analyze the problems of the history of primitiveness, the Ancient East and antiquity; identify cause-and-effect relationships, common features and differences of the compared historical processes and events; be able to select, analyze and interpret historical sources, historical facts, historical information when solving problems in the field of professional activity;</p> <p>Own: the skills of studying and researching the main stages of historical development in the epochs of primitiveness, the Ancient East, antiquity; the skills of identifying common and special in the history of Eastern and Western civilizations; comparative and systematic analysis of the historical process; research activities to study the main stages and patterns of development of society of the ancient world.</p>
		History of Antiquity	3 term	<p>To know: the history of ancient societies and the processes of the origin and development of the Mediterranean Greco-Roman civilization from its first steps at the turn of the III–II millennium BC, the formation of an early class society and the state. the main stages and patterns of development of society in the period of antiquity, the chronological framework of the era of the ancient world, the criteria of scientific periodization of the world historical process, the basic terminology of historical science, the main approaches to understanding the essence of historical processes and phenomena of antiquity; the causes of the crisis of the primeval era and the transition of the ancient Eastern population to slave-owning statehood; the main patterns of the origin and development of Eastern civilizations; historical facts, events, the content of socio-political and socio-economic processes; various aspects of the culture of ancient Eastern society; explain the mechanisms of formation and development of historical forms of statehood, the evolution of state and legal institutions; apply knowledge and understanding of the civilizational approach to the study of the historical process, identify a system of complex dependencies and continuity of various types of Eastern civilizations;</p> <p>Be able to:</p>

				<p>to identify essential features in the development of culture and society of civilizations, to explain texts in accordance with modern methods of source analysis, to present the results of their activities in the form of written and oral answers, to use an atlas on the history of the ancient world, to use basic and additional literature. Analyze historical phenomena and processes in their economic, political, and cultural manifestations; analyze the problems of the history of the Ancient East, present and critically analyze information about the historical and cultural development of the ancient East and individual countries (regions); apply theoretical knowledge and understanding of the facts of the development of the historical process, be able to select, analyze and interpret historical sources, historical facts, historical information when solving problems in the field of professional activity; identify causal-investigative links, common features and differences of the compared historical processes and events; to carry out a comparative analysis of historical facts, events and phenomena of public life of the ancient Eastern states on the basis of historical sources;</p> <p>Own: apply theoretical knowledge and understand the facts of the development of the historical process, analyze specific historical events, compile chronological and systematic tables, trace cause-and-effect relationships, draw conclusions on individual issues, topics, sections. Possess the categorical and conceptual apparatus of historical disciplines (Oriental studies); the skills of using knowledge on topical issues of the development of the ancient East; the skills of research activities to study the main stages and patterns of development of Eastern societies; skills of identifying common and special in the history of Eastern and Western civilizations; skills of comparative and systematic analysis of the historical process; ability to critically comprehend events and phenomena of Eastern historical epochs; skills of studying scientific literature and its use in specific studies; ability to critically comprehend events and phenomena of the ancient period of history.</p>
2.	special	Ancient history of Kazakhstan	3 term	<p>To know: formation and development of archaeological cultures on the territory of ancient Kazakhstan, the origin of the producing economy, changes in social relations, the origin and development of nomadism, Scythian-Saka culture, the history of early state formations and Turkic states on the territory of Kazakhstan; basic terminology of historical science, basic approaches to understanding the essence of historical processes and phenomena of antiquity; knowledge and understanding of the civilizational approach to the study of the historical process, the system of complex dependencies and the continuity of various types of civilizations, explain the mechanisms of formation and development of historical forms of statehood, the evolution of state and legal institutions;</p>

			<p>historical facts, events, the content of socio-political and socio-economic processes in the ancient history of Kazakhstan;</p> <p>Be able to:</p> <p>to analyze the problems of the ancient period of the history of Kazakhstan; to analyze and compare the forms of organization and the evolution of the state and social structure at various stages of the ancient period of development of Kazakhstan; to carry out a comparative analysis of historical facts, events and phenomena of public life based on historical sources; apply theoretical knowledge and understanding of the facts of the development of the historical process, be able to select, analyze and interpret historical sources, historical facts, historical information when solving problems in the field of professional activity;</p> <p>Own:</p> <p>categorical and conceptual apparatus of historical disciplines; skills of analysis of the main stages of the historical development of Kazakhstan in the ancient period of history; identification of common and special in the ancient history of Kazakhstan; comparative and systematic analysis of the historical process; research skills to study the main stages and patterns of development of society; the study of scientific literature and its use in educational and research work;</p>
	Ancient civilizations of the East	3 term	<p>To know:</p> <p>the basic structures of the subject of culture of ancient civilizations of the East, options and current problems, to show reflecting the historical development of world culture and civilization; to show the features of the formation of ancient cultures, the origins of legendary, religious, scientific knowledge of its inhabitants; about material values, achievements of fine art, works of architecture; customs, everyday life, beliefs, you will learn about your beliefs. The history of the formation and development of civilizations, the main historical facts, events and processes; key concepts, phenomena characterizing the historical originality of ancient civilizations; the main trends of historical development and the specifics of the historical development of various regions of the world; criteria for scientific periodization of the world historical process, the basic terminology of historical science, the main approaches to understanding the essence of historical processes and phenomena; to understand the theoretical and methodological foundations of world historical science; the overall picture of the world historical process with its regional and local features in the most ancient period; the driving forces and patterns of the historical process; the main facts and phenomena characterizing the integrity of the historical process</p> <p>Be able to:</p>

				<p>analyze your opinion about the civilization of the ancient East, improve your attitude to them, carry out the formation of your own personal thoughts; get acquainted with the views, opinions, judgments of scientists who participated in the study of the culture of the ancient East and presented its cultural achievements to the world; show and explain the history of the formation and development of civilizations, historical facts, events and processes that characterize the historical the uniqueness of ancient civilizations; to reveal historical phenomena and processes in their economic, political, and cultural manifestations. to carry out a comparative analysis of historical facts, events and phenomena of public life on the basis of historical sources; to carry out the selection, analysis and interpretation of historical sources, historical facts, historical information in solving problems in the field of professional activity;</p> <p>Own: to analyze the history of the emergence and development of civilizations; the basics of analyzing the main stages of the historical development of ancient civilizations; identifying common and special in the history of Eastern civilizations; comparative and systematic analysis of the historical process; primary research skills to study the main stages and patterns of development of society of the ancient world; the study of scientific literature and its use in educational and scientific activities; fundamentals and systematization of scientific research and publications;</p>
	special	General science	Earth 3 term	<p>To know: The state and prospects of development of geographical science and its role in modern scientific knowledge about nature and society; physico-chemical foundations of natural processes and phenomena, the causes that determine them;</p> <p>Ability: To build and analyze graphs of the relationship between natural phenomena, diagrams that facilitate the comparative analysis of the territory or various components of the geographical envelope; The ability to compile climatic, hydrological and other natural characteristics of territories from various sources in textual, tabular or graphical forms; The ability to work with literary, cartographic and numerical material.</p> <p>Own: The conceptual and categorical apparatus of the discipline; a system of knowledge about global and regional patterns of formation, development and differentiation of geosystems and natural complexes; formed as a result of the continuous development of a whole complex of interrelated and interdependent natural processes and phenomena.</p>
	special	History of the Middle Ages	4 term	<p>To know:</p>

3.			<p>the periodization of the history of the Middle Ages and the main directions of the development of medieval studies; the terminological apparatus used by medieval studies; the main types of medieval historical sources; to understand the specifics of working with them; the main facts of the history of the Middle Ages, the processes of the origin, formation, flowering and decomposition of feudal relations, the emergence of nationalities and nations, states of modern Europe, the genesis of capitalism and the preparation of the modernization process, formation of the basis of Christian doctrine and organization of Roman Catholic, Orthodox and Protestant churches; the most important achievements of medieval history; names and biographical information about outstanding historical figures; the main trends of the processes that took place in society, political institutions, economy, religion, culture, the development of structures of everyday life; to understand the historical and cultural originality of medieval civilization to represent its place and significance in the general historical process, the influence of the Middle Ages on modern socio-political realities; the main methodological concepts and research schools in the history of the Middle Ages.</p> <p>Be able to:</p> <p>to orient oneself in the main, most significant, modern methodological approaches to medieval history; to describe historical events, cultural monuments, comment on the main content of individual factors and phenomena of the history of the Middle Ages; to analyze, explain, evaluate historical facts and phenomena in the history of the Western European Middle Ages, to work with chronology;- work with a historical map; independently pose a research problem; demonstrate the ability and willingness to work with various types of historical sources, educational, methodological and scientific literature on the problems of the course, the performance of educational and research tasks, independent search, processing and use of various types of information.</p> <p>Own:</p> <p>possess the categorical and conceptual apparatus of the historical discipline; competently reproduce scientific information about the subject of study, trace the cause-and-effect relationships of historical events and processes, identify the main trends of social development, determine their specifics, give an objective assessment taking into account the latest achievements of historical science; the basics of systematization of scientific research and publications; skills of comparative and systematic analysis of the historical process; the basics of research activities for the study of the main stages and patterns of development of medieval society, the selection and study of scientific literature and its use in educational and research activities;</p>
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		<p>The History of Asia and Africa in the Middle Ages</p>	<p>4 term</p>	<p>To know: the history of the countries of Asia and Africa in the Middle Ages, the history of the development of the leading countries of the East during the early Middle Ages, developed and late feudalism ser.V – XVII centuries . The main periods of European medieval history; the main facts and phenomena characterizing the integrity of the historical process, the driving forces and patterns of the historical process in Europe in the Middle Ages; the content of the evolution of Western European civilization in the Middle Ages based on the use of achievements of modern historical knowledge; the place of medieval man in the historical process, the most important parameters of his spiritual culture and value system formed during historical development; to understand the significance of the spiritual heritage of medieval civilization.</p> <p>Be able to: explain the existence of alternative points of view on debatable topical issues of Asia and Africa, be able to characterize the main historical events; navigate the issues of periodization and chronology of the Middle Ages, economic, social and political history; analyze historical events, establish cause-and-effect relationships; identify common features and differences of historical phenomena and processes being compared; draw lessons from historical to formulate and justify their position on the key problems of the development of world civilizations in the Middle Ages; navigate in the specialized literature on the profile, competently refer the educational and scientific literature on the subject; apply the knowledge gained in solving pedagogical, educational, methodological and scientific tasks;</p> <p>Own: to identify essential features in the development of society of medieval Eastern civilizations, to present the results of their activities in the form of written and oral responses. To identify the civilizational features of the development of Western Europe in the V–XV centuries; to comprehend the place and role of the medieval civilization of Western Europe in the history of mankind; to possess a system of knowledge about the main stages of development and the most important events of world history in the Middle Ages; to be aware of the place and role in the world history of Western European civilization, to understand the general and special in their development, the main complexes of historical sources on the history of individual countries and regions in the Middle Ages; the basics of systematization of scientific research and publications; skills of comparative and systematic analysis of the historical process; the basics of research activities to study the main stages and patterns of development of medieval</p>
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				society, selection and study of scientific literature and its use in educational and research activities;
4	special	Medieval history of Kazakhstan	4 term	<p>To know: the main stages and patterns of development of society in the medieval period of Kazakhstan, the chronological framework of the Middle Ages, to know the basic terminology of historical science, the main approaches to understanding the essence of historical processes and phenomena of medieval history of Kazakhstan; the overall picture of the world historical process with its regional and local features during the Middle Ages; apply knowledge and understanding of the civilizational approach to the study of the historical process, identify a system of complex dependencies and continuity of various types of civilizations, explain the mechanisms of formation and development of historical forms of statehood, the evolution of state-legal institutions, settled and nomadic civilizations; the processes of Kazakhstan's entry into the Mongolian statehood, the history of post-Mongolian state formations, the problems of the ethnogenesis of Kazakhs and the peculiarities of the formation of the Kazakh nationality and statehood, its place in the world and Eurasian historical and cultural integration processes, the specific features of the formation of the national culture of the Kazakh people;</p> <p>Be able to: to show the inextricable link between the ethnopolitical development of Kazakhstan in the late medieval period with the preceding Turkic period; to have a scientific understanding of this period of historical development, to analyze the historical past on the basis of the principle of historicism; to have an idea of the sources on the medieval history of Kazakhstan; to put into practice the knowledge gained on the socio-economic, political and cultural development of medieval Kazakhstan; to apply knowledge and understanding of the civilizational approach to the study of the medieval historical process, to identify a system of complex dependencies and continuity of various types of civilizations, to explain the mechanisms of formation and development of historical forms of statehood, the evolution of state-legal institutions, settled and nomadic civilizations; to select, analyze and interpret historical sources, historical facts, historical information when solving problems in the field of professional activity;</p> <p>Own: skills of applying the scientific categorical and conceptual apparatus of historical science; skills of identifying common and special in the history and development of nomadic civilizations; methods of historical description and analysis of causes and consequences of events in the history of medieval Kazakhstan, methods of historical analysis of the main stages and patterns of development of society during the Middle Ages; fundamentals</p>

				of analysis of historical sources and documents, fundamentals of systematization of scientific research and publications; skills of comparative and systematic analysis of the historical process; the basics of research activity on the study of the main stages and patterns of development of Kazakh society, selection and study of scientific literature and its use in educational and research activities;
		The history of traditional society	4 term	<p>To know: stages and events of the historical process on the territory of Kazakhstan, to distinguish the main content of the spiritual and material culture of the Kazakh people. The main stages and patterns of development in the history of the Kazakh Khanate, in the context of new conceptual approaches, the stages of the formation of the Kazakh nation, socio-economic, political, cultural processes, the political history of the Kazakh Khanate, the role and place of the Kazakh people in the system of nomadic civilization; the processes of the colonization movement of Russia, the results of colonization, its consequences; the evolution of the spiritual world of nomads and their contribution to the civilization of the Eurasian world; apply knowledge and understanding of the civilizational approach to the study of the historical process, explain the mechanisms of formation and development of historical forms of statehood, the evolution of state and legal institutions.</p> <p>Be able to: to analyze the historical and cultural past of the ancient period of the history of the spiritual culture of the people, to apply the principle of historicism; to discuss the processes of development and flourishing of the spiritual culture of the medieval Turks, the processes of development of the spiritual culture of Kazakhstan in the post-Mongol period, to reveal the cultural diversity and spiritual heritage of the Turkic peoples, to assess the role and place of cultural achievements in world history. Analyze the historical past on the basis of the principle of historicism, apply in practice the knowledge gained on the socio-economic, political and cultural development of Kazakhstan, identify cause-and-effect relationships of events; carry out a comparative analysis of historical facts, events and phenomena of public life based on historical sources; navigate in modern historical literature, characterize the principles and guidelines of new methodological approaches; to carry out the selection, analysis and interpretation of historical sources, historical facts, historical information when solving problems in the field of professional activity; to compare and analyze historical facts in their connection with the world-historical process.</p> <p>Own:</p>

				to reveal on a broad historical material the true goals of various theoretical approaches in understanding the place and role of the traditional Kazakh society; skills in applying the scientific categorical and conceptual apparatus of historical science; skills in identifying common and special in the history and development of nomadic civilizations; methods of historical description and analysis of the causes and consequences of the events of the history of the Kazakh Khanate, methods of historical analysis of the main stages and patterns of development of Kazakh societies; fundamentals of analysis of historical sources and documents, fundamentals of systematization of scientific research and publications; skills of comparative and systematic analysis of the historical process; fundamentals of research activities to study the main stages and patterns of development of Kazakh society, selection and study of scientific literature and its use in educational and research activities; skills of independent and research activities using the latest theoretical and conceptual and methodological approaches;
5	special	Cartography with the basics of topography	4 term	<p>To know: the theoretical foundations of cartography and the basic technologies for the use of plans and maps. Cartography with the basics of topography, master the methods of visualization and research of spatial location, combination and interaction of phenomena of nature and society with the help of geographical maps, figurative and symbolic models, as well as other cartographic works.</p> <p>Be able to: to describe maps, measure linear objects and areas, use the language of the map; be able to find the necessary maps on the Internet; · have the skills to compile map fragments, including using modern methods. Widely use various cartographic works: general geographic (topographic and survey) and thematic maps, atlases, series of maps, including modern school maps and atlases.</p> <p>To possess: to understand the formation of general geographical knowledge, the development of modern school maps and atlases. Software maps, to understand the sources, to understand the essence of the mapped phenomena and, of course, to know the technique of the case</p>
		History of cartography	4 term	<p>To know: the history of cartography, the stages of cartography development, the emergence of the first geographical maps.</p> <p>Be able to: distinguish the stages of development, the history of origin, the history of creation and geographical maps as a special way of the first geographical maps, to study the methods</p>

				<p>and processes of their creation and use, to illuminate the image and recognition of phenomena of nature and society using maps; to possess information about the industry that produces cartographic products (maps, atlases, globes, etc.);</p> <p>To possess: to use knowledge about mapping processes, spatial location, phenomena of nature and society, assimilation of interrelation.</p>
15	special	Fundamentals of geology and geomorphology	4 term	<p>To know: basic terms and concepts of geology and geomorphology; internal structure, origin, conditions of development and modern structure of the Earth, conditions of formation and evolution of the Earth's crust, its structure and composition in interaction with external shells: hydrosphere and atmosphere; morphological and genetic types of relief; geochronological scale; endogenous and exogenous processes of formation of the Earth's crust and relief; classification of rocks and minerals; have an idea of other areas of practical application of geological knowledge; on the values of the relief and matter of the lithosphere in human settlement and economic activity.</p> <p>Be able to: identify the most common rocks and minerals in the lithosphere; compile orohydrographic characteristics of the territory from maps and photographs; build geological and geomorphological profiles based on drilling wells; identify and characterize the selected genetic types of relief and the main relief-forming processes and, on this basis, forecast the development of the relief of the territory and the functioning of geosystems in various ways of its economic use</p> <p>Own: on the use of methods and techniques of research and practical work in the field of geology: describe the morphology of the relief, possess the skills to determine the genesis and relative age of the relief, describe the most common rocks, minerals, understand the principles of analyzing the influence of the morpholithogenic basis on the distribution, structure and functioning of geosystems and their components, as well as on settlement and economic activity.</p>
		Paleogeography	4 term	<p>To know: the main stages of the evolution of the lithosphere, biosphere, atmosphere and hydrosphere modern trends in the science of the lithosphere, biosphere, hydrosphere, their terminology, optimal complex methods of restoration of the geographical shell; To know the formation of ideas about the natural conditions of the Pleistocene and Holocene in all their diversity and complex interaction, causes, general patterns and regional features of their temporal development;</p>

				<p>Be able to: apply the acquired knowledge in solving scientific, economic, scientific and pedagogical tasks; analyze paleogeographic observations, make calculations, make paleogeographic maps; analyze and summarize the results obtained and compile complex paleogeographic characteristics; gain knowledge about the appearance and evolution of man, his global initial settlement, the development of material cultures, the coevolution of man and the environment and their relationships at different stages of human evolution and human society;</p> <p>Own: observe, analyze and explain current trends in nature; understand and analyze special documentation; the ability to compare climatic changes in the geological past and in the present; acquiring practical skills in working with paleogeographic materials (maps, diagrams, diagrams), handling material evidence of natural conditions of past eras</p>
	special	Methods of teaching geography	4 term	<p>Knowledge: goals and objectives of teaching geography at school, methods, means of teaching geography at school; modern forms of organization of the educational process, types and forms of the main form of organization of the educational process - lesson</p> <p>Ability: independently prepare and conduct a geography lesson on any topic, section, course of school geography; use all previously accumulated geographical information: reference books (yearbooks, etc.), dictionaries, encyclopedias, educational, popular science and scientific and methodological literature on geography and methods of teaching geography; analyze the relationship of the geographical content of school geography courses.</p> <p>Own: basic knowledge in the field of geography, didactics, psychology, methods of teaching geography necessary for the formation of geographical knowledge in school. To apply the acquired knowledge and skills in practice and in professional activity - provides information about the methodology of teaching geography in secondary school. Students master the skills of applying new methods of teaching geography and gain theoretical knowledge about the subject. The methodology of teaching geography is a pedagogical science, built taking into account age characteristics. One of the main tasks of improving the content of geographical education is to fully reflect the current level of development and achievements of the system of geographical sciences. This is reflected in the economic, environmental and humanitarian orientation of the content of education, the integration of physical-geographical and economic-geographical knowledge.</p>

6	special	New history of Kazakhstan	5 term	<p>To know: the main stages and patterns of development of the Kazakh society in the period of modern history, the chronological framework of the historical era, the criteria of scientific periodization of the world historical process; the overall picture of the world historical process with its regional and local features in the new period of history; problems socially – political development of Kazakhstan in a new period of history, class stratification, economy of Kazakh society, the development of spiritual culture, the processes of transformation of the Kazakh Khanate into a colonial appendage of the Russian Empire, historical events that took place on the territory of Kazakhstan in interrelation and interaction with the history of the peoples of Eurasia, the place of Kazakhstan in the system of international relations of the XIII-XIX centuries, the main facts and phenomena, characterizing the integrity of the historical process, the driving forces and patterns of the historical process on the territory of Kazakhstan in the new period of history;</p> <p>Be able to: analyze and explain historical phenomena and processes on the territory of Kazakhstan in their economic, political, cultural manifestations in a new period of history; carry out a comparative analysis of historical facts, events and phenomena of public life based on historical sources; carry out selection, analysis and interpretation of historical sources, historical facts, historical information when solving problems in the field of professional activity; apply at a basic level knowledge of the theory and methodology of historical science in professional activities; be able to analyze the historical past on the basis of the principle of historicism;</p> <p>Own: the skills of applying the scientific categorical and conceptual apparatus of historical science; identifying the common and special in the history and development of Kazakhstan of the new period; methods of historical description and analysis of causes and consequences of events, methods of historical analysis of the main stages and patterns of development of Kazakh societies; the basics of analysis of historical sources and documents, the basics of systematization of scientific research and publications; skills of comparative and system analysis of the historical process; the basics of research activity on the study of the main stages and patterns of development of Kazakhstan, the selection and study of scientific literature and its use in educational and research activities;</p>
		Central Asia and Kazakhstan in modern times	5 term	<p>To know: the history of socio-political systems of the Central Asian region, the diversity of political regimes and models of economic development in it, issues of a political and ideological</p>

				<p>nature that determine the situation of countries and peoples in modern times, changes in the ethnic composition and territory of residence of the peoples of Central Asia; the main stages and patterns of development of Kazakh society in a new period of history, basic terminology historical science, the main approaches to understanding the essence of historical processes and phenomena; actual problems in the study of the history of Kazakhstan of modern times, the integrity of the historical process within the territory of Kazakhstan, Kazakhstan's entry into the world stream of Modern history; a range of priority problems: the mentality of Kazakhs, the evolution of traditions, morals, the transformation of law, law, and power, Kazakh society in Modern times; the transformation of Kazakhstan into a continental colony, to know. how did Kazakhstan, the Kazakh people lose their state independence; apply knowledge and understanding of the civilizational approach to the study of the historical process, identify the system of complex dependencies and the continuity of civilization, explain the mechanisms of formation, development of historical forms of statehood, the evolution of state-legal institutions, nomadic civilizations;</p> <p>Be able to:</p> <p>analyze ways and methods of solving the security problem in the region, evaluate the facts of the modern history of Central Asia; onalize the historical past based on the principle of historicism, scientific; analyze and explain historical phenomena and processes in their economic, political, cultural manifestations; carry out a comparative analysis of historical facts, events and phenomena of public life based on historical sources; to identify current problems and concepts in the field of national history of the new period, to carry out the selection, analysis and interpretation of historical sources, historical facts, historical information in solving problems in the field of professional activity;</p> <p>Own:</p> <p>the ability to understand, critically analyze and present basic historical information about the history of Central Asia; the basics of research activities to study the main stages and patterns of development of Kazakh society in a new period of history; the skills of selecting and studying scientific literature and its use in educational and research activities; the basics of analyzing historical sources and documents, the basics and systematization of scientific research and publications; skills of comparative and systematic analysis of the historical process in a new period of time;</p>
7	special	A new history of the countries of the East and West	5 term	<p>To know:</p> <p>the main stages of the historical development of the East and the West, its place in world history; patterns of the historical path of the East and the West; the genesis of the countries of the East and the West in the period from the end of the 17th century to the beginning</p>

				<p>of the First World War; key problems in the history of the West and the East in modern times; historical causes and prerequisites of the crisis of feudal relations and the formation of capitalist relations in Western and Eastern societies, features of the development of the capitalist order in the economies of the East and West, the essence and patterns of evolution of the most important political institutions and state institutions, types and methods of colonial expansion; the main processes of social development of the West and East in the period of modern times; ideological and spiritual and moral foundations of social models that have developed in the course of historical development in the countries of the West and East in modern times, historical prerequisites for their further evolution;</p> <p>Be able to:</p> <p>to characterize the basic concepts, scientific categories, nodal plots of the history of foreign countries of modern times; to analyze individual problems, identify typological features and features of similar phenomena of the historical process, to distinguish the actions of objective and subjective factors; to take into account and compare different points of view on the key problems of the historical development of the countries of the West and East in modern times; to reveal the connection of actual problems the history of the countries of the West and the East in modern times and trends in the evolution of the modern world; analyze historical problems, establish cause-and-effect relationships; characterize the politics, economy and culture of the countries of the West and East in modern times and the main trends of its development; use the totality of available historical sources, educational and scientific literature, electronic resources for the reconstruction of the new history of foreign countries;</p> <p>Own:</p> <p>identify common features and differences of historical processes and events being compared; work with information (information complexes, sources) to solve educational, professional and social problems; skills in analyzing socially significant processes and problems using basic material on the new history of the East and West; culture of historical thinking, the ability to generalize, analyze, and perceive information methods of historical description and analysis of causes and consequences of events, methods of historical analysis of the main stages and patterns of development of the countries of the East and West.</p>
		History of international relations in the new period	5 term	<p>To know:</p> <p>The main theoretical directions in the study of the history of international relations; the basic principles and characteristics of the formation and development of the system of international relations; socio-economic processes that determine the foreign policy of the leading countries of the world; socio-political processes and factors that influenced the</p>

				<p>foreign policy activities of states in the context of international relations; the main trends in the development of systems of international relations; significant facts, events and biographies of historical figures from the history of international politics; the main theoretical directions in the study of the history of international relations; the basic principles and characteristics of the formation and development of the system of international relations; socio-economic processes that determine the foreign policy of the leading countries of the world; socio-political processes that influenced the foreign policy activities of actors in international relations; the main trends in the development of systems of international relations; significant facts, events and biographies of historical figures from the history of international politics; • conceptual apparatus;</p> <p>Be able to:</p> <p>To use the acquired knowledge for processing, analysis, synthesis of information; to apply the acquired knowledge in determining the category of the world, local and regional level in the development of the history of international relations; to master the conceptual categories of the history of international relations; to analyze and interpret the main events in the history of international relations; to compare and contrast historical facts: to apply the acquired knowledge for processing, analysis, synthesis of information; apply the acquired knowledge in determining the category of the world, local, regional level in the development of the history of international relations; master the conceptual language of the history of international relations; analyze and interpret the main events in the history of international relations; compare and contrast historical facts, draw reasoned conclusions based on the logical procedures of formal and dialectical logic.</p> <p>Own:</p> <p>working with information from various sources to solve professional problems; the main methods, methods and means of obtaining, storing, processing information; basic theoretical, political knowledge, the basics of world and national history, their impact on international relations; methods of applying scientific knowledge in research; the ability to use the knowledge gained in practice; methods of object research; educational, scientific, popular science literature.</p>
16.	special	Physical geography of continents and oceans	5 term	<p>To know:</p> <p>priority landscape-forming factors determining the diversity of landscapes of continents and oceans; natural resource potential of large regions of the land and the World Ocean, its modern development, protection and prospects of use.</p> <p>Be able to:</p>

				<p>identify the interdependence of the components of the natural environment, the zonal–belt and sector structure of natural complexes of continents, consisting of interconnected and hierarchically subordinated integral natural anthropogenic systems.</p> <p>Own: demonstrate acquired competencies in the process of learning, research activities and apply them in a new problem situation, use the conceptual and categorical apparatus of geographical sciences; knowledge about global and regional patterns of formation, development and differentiation of natural and natural-anthropogenic geosystems;</p>
		Meteorology with the basics of climatology	5 term	<p>To know: Climate-forming factors and their characteristics, moisture turnover and atmospheric circulation. Geographical factors of climate, the influence of geographical climate. The thermal balance of the Earth-atmosphere system. The difference in the thermal regime of soil and reservoirs. The annual amplitude of air temperature and the continental climate. Types of annual air temperature course. Full information about the current problems: the penetration of the ozone layer, the “greenhouse effect”, the factors provoking global climate warming, and the measures taken against it. Know the concept of meteorology and climatology, weather and climate. The position of science in the system of Earth sciences.</p> <p>Be able to: Determine optical phenomena in clouds. To detect outflows of precipitation coming out of clouds. Measure the amount of precipitation by the Tretyakov sedimentation meter. Determine the intensity of precipitation by the pluviograph tape. along with knowledge of the means and technologies of beekeeping research, predict by its results. Defining methods of meteorology and climatology. To find the main stages of the development of meteorology and climatology.</p> <p>Own: the main elements of weather and climate and the patterns of their interaction with each other. Observation and experiments of statistical analysis. Solving problems</p>
	special	Methods of teaching history	5 term	<p>To know: - conceptual, theoretical and scientific-pedagogical foundations, its system of pedagogical sciences knows the place and values; - the theoretical and scientific pedagogical basis of the methodology of teaching history, its place and values in the system of pedagogical sciences.</p> <p>Be able to: - determine the main aspects of pedagogical activity; - focus on the content, main categories, concepts of the pedagogy course;</p>

				<ul style="list-style-type: none"> - to assess the modern concept of education in the Republic of Kazakhstan and the educational systems of the school and classroom. - to systematize the acquired theoretical knowledge in the practice of a teacher, to consider the features of modern concepts in the practice of work <p>Own:</p> <ul style="list-style-type: none"> - apply logical thinking, methods of pedagogical analysis, - to understand the peculiarities of education, to possess the means of implementing continuity in the education of students of different ages; - to form historical thinking, apply theoretical knowledge in practice. - apply methods, techniques and methods of teaching secondary school students in history - apply technologies, methods of computer modeling;
8	special	Criteria-based assessment and learning technologies	6 term	<p>To know:</p> <p>along with updating the content of education, the introduction of a system of criteria-based assessment requires an increase in the effectiveness of the use of various methods and means of teaching; studies the content of education on the technology of criteria-based assessment, assessment models and the essence of; reveals the methodological foundations and technologies of criterion-based learning, the development and implementation of the evaluation system of students' academic achievements, reveals the features of the evaluation system in personality-oriented learning, pedagogical evaluation functions, types of evaluation and project technology, forms the skills of developing methodological support for criteria-based evaluation</p> <p>Be able to:</p> <p>can determine the level of preparation of each student in each part of the lesson; can fulfill educational goals in accordance with the program; can track the successful development of an individual student; can identify errors and gaps in the student's learning process; differentiate the effectiveness of the curriculum; apply various teaching methods that increase cognitive abilities and the level of thinking;</p> <p>Own:</p> <p>the skills of critical thinking, free play, demonstration of their knowledge; provide feedback between the student and the teacher and parents about the process of the lesson and the assimilation of knowledge.</p>
		Digital technologies in the educational process	6 term	<p>To know:</p> <p>the educational information environment of an educational institution, its components: informatization of education, information technologies of training, traditional and modern pedagogical technologies, considers the essence and types of information and communication technologies.</p>

				<p>Be able to: the educational information environment of an educational institution, its components: informatization of education, information technologies of education, traditional and modern pedagogical technologies, the essence and types of information and communication technologies, their place in the educational activities of modern educational organizations, the role of ICT in creating conditions for students to achieve educational goals, conditions for the technologization of the learning process of history, study, description innovative experience in teaching history, the use of digital technologies.</p> <p>Own: as a result of mastering the discipline, the student must know: information about the development of intelligence maps or infographics, as well as the organization of independent work of students in social networks; present the results of their activities in the form of a written and oral response.</p> <ul style="list-style-type: none"> - independently uses teaching methods and techniques that contribute to the development of self-regulation of students, methods of self-assessment and mutual evaluation of educational achievements; - principles and methods of organizing educational activities taking into account the individual characteristics of students; - theories and technologies of evaluation of educational achievements;
9	special	The modern history of Kazakhstan	6 term	<p>To know: the main stages and patterns of development of Kazakh society in the modern period of history, the main approaches to understanding the essence of historical processes and phenomena; the general picture of the world historical process with its regional and local features in the modern period; the main facts and phenomena characterizing the integrity of the historical process, the driving forces and patterns of the historical process in the modern period of the history of Kazakhstan; historical events of the XX-beginning, XXIbv. in the context of modern methodological approaches of historical science, the processes of development and crisis of the Soviet system in Kazakhstan, the formation of an independent Republic of Kazakhstan, the main directions of political modernization, the evolution of the political system, the leading directions of socio-economic and cultural policy of a sovereign state;</p> <p>Be able to: analyze and explain historical phenomena and processes in their economic, political, cultural manifestations in the recent period of the history of Kazakhstan, apply knowledge and understanding of the civilizational approach to the study of the historical process,</p>

				<p>explain the mechanisms of formation and development of independent statehood, the evolution of state-legal institutions, identify cause-and-effect relationships, common features and differences of the compared historical processes and events; to carry out the selection, analysis and interpretation of historical sources, historical facts, historical information in solving problems in the field of professional activity; to carry out a comparative analysis of historical facts, events and phenomena of public life on the basis of historical sources;</p> <p>Own: categorical and conceptual apparatus of historical discipline; methods of historical analysis of the main stages and patterns of development of Kazakh society; fundamentals of analysis of historical sources and documents, fundamentals and systematization of scientific research and publications; skills to identify common and special in the history and development of Kazakhstan in the recent period of history; skills of comparative and systematic analysis of the historical process; fundamentals of research activities on to study the main stages and patterns of development of Kazakhstan society; skills of selection and study of scientific literature and its use in educational and research activities;</p>
		The Republic of Kazakhstan in the world community	6 term	<p>To know: the main patterns and trends in the formation and development of the foreign policy of the Republic of Kazakhstan, the main trends in the development of the foreign policy of the Republic of Kazakhstan in the modern period; directions of the foreign policy of the Republic of Kazakhstan with neighboring states, in interrelation and mutual influence; stages of Kazakhstan's entry into the world community, mechanisms for the formation of foreign policy and the creation of a foreign policy concept, features of the geopolitical, geo-economic and geostrategic position of Kazakhstan, problems diversity and originality of forms and methods of cooperation between Kazakhstan and individual countries; issues of regional cooperation, international and regional security; the importance for Kazakhstan's foreign policy of expanding cooperation with international organizations, the position of Kazakhstan in the UN; theoretical and applied, instrumental components of world politics, their role and functions in the preparation and provision of political decisions;</p> <p>Be able to: to be guided in the foreign policy of the Republic of Kazakhstan; to understand both general and specific problems of the discipline studied; to use the knowledge gained in analyzing the current situation of the Republic of Kazakhstan; to analyze the peculiarities of the development of the foreign policy course of the Republic of Kazakhstan; the</p>

				<p>leading trends in the development of cooperation of the Republic of Kazakhstan with individual countries; to have a systematic idea of the main forms and methods of cooperation with individual countries, so it is with international organizations; be able to understand international political life, the geopolitical situation in Kazakhstan, the place and status of Kazakhstan in the modern world;</p> <p>Own: the categorical and conceptual apparatus of the historical discipline; methods of historical analysis of the main stages of the foreign policy of the Republic of Kazakhstan; the basics of analyzing historical sources and documents, the basics and systematization of scientific research and publications; skills of comparative and systematic analysis of the historical process; skills of selecting and studying scientific literature and its use in educational and research activities;</p>
10	special	Recent history of the countries of the East and West	6 term	<p>To know: the driving forces and patterns of the historical process; the place of man in the historical process, the state, socio-economic and military-political organization of the world of the XX – beginning of the XXI century; the diversity of cultures and civilizations of the East and West in their interaction; the nature of the struggle around the problems of historical choice and the reasons for the victory of certain forces in a particular period of history; the most important social processes, trends of their development in the world community; the main cultural and historical achievements in the world; the main stages, events of social development of countries in modern times; - the specifics of social processes in the countries of the West and East in modern times;</p> <p>Be able to: conduct a comparative analysis of the facts and phenomena of public life based on the historical material of the countries of the East and West; determine the features of the public organization and culture of different countries; analyze historical information about countries, compare, analyze and design models of the historical development of European and Eastern countries, identify the features of the development of countries in modern times</p> <p>Own: skills of analysis of political, socio-economic processes and problems of the countries of the East and West in modern times, the basics of research activities to study the main stages and patterns of development of the countries of the East and West in the modern period of history; skills of selection and study of scientific literature and its use in educational and research activities; the basics of analysis of historical sources and documents, the basics of and systematization of scientific research and publications; skills</p>

				of comparative and systematic analysis of the historical process in the recent period of time;
		History of international relations in the modern period	6 term	<p>To know: Knowledge and understanding of the logic of global processes and the development of the global political system of international relations in their historical, economic and legal conditionality of modernity.</p> <p>Be able to: Analyze socially significant problems and processes; master the conceptual language of the history of international relations; analyze and interpret the main events in the history of international relations in the XX-XXI centuries.</p> <p>Own: Working with information from various sources to solve professional problems; basic methods, methods and means of obtaining, storing, processing information; basic theoretical, political knowledge, fundamentals of world and national history, methods of applying scientific knowledge in research; the ability to use the knowledge gained in practice; methods of object research; educational, scientific, scientific and popular literature.</p>
11	special	Physical geography of Kazakhstan	6 term	<p>To know: physical and geographical differentiation and the influence of anthropogenic factors on natural complexes.</p> <p>Be able to: analyze the physical and geographical situation on the territory of Kazakhstan, know the geological structure of the territory, relief, climate, inland waters, soil and vegetation cover, wildlife and natural areas of Kazakhstan. To form patterns of spatial economic structures and territorial forms of organization of society's life at the local, regional level</p> <p>Own: to describe the influence of the intercontinental position of the Republic of Kazakhstan on the differentiation of native complexes of different taxonomic rank.</p>
		History of nature research in Kazakhstan	6 term	<p>To know: features and patterns of formation of natural conditions of the territory of Kazakhstan; geographical patterns of their formation in general and in individual regions.</p> <p>Be able to: characterize the geological structure, relief, climate, inland waters, soil and vegetation cover, wildlife and natural zones on the territory of Kazakhstan.</p> <p>Own:</p>

				to determine the ways of physical and geographical zoning of the territory of Kazakhstan; To know the methodology of historical research of the nature of Kazakhstan; Compare models of geographical and historical development of Kazakhstan.
17.	special	Archaeology	6 term	<p>To know: the main stages and patterns of development of society in the ancient and medieval historical periods, chronological framework of historical epochs, criteria for scientific periodization of the world historical process; basic terminology of historical science, basic approaches to understanding the essence of historical processes and phenomena; the history of the formation and development, tasks and methods of archaeology as a science, the place of archaeology in the system of historical sciences, archaeological periodization of history, typology of archaeological monuments, the main stages of archaeological research, methods of study and research of archaeological monuments;</p> <p>Be able to: analyze and explain meaningfully historical phenomena and processes in their economic, political, cultural manifestations; apply knowledge and understanding of the civilizational approach to the study of the historical process, identify a system of complex dependencies and continuity of various types of civilizations, explain the mechanisms of formation and development of historical forms of statehood, the evolution of state-legal institutions, sedentary and nomadic civilizations; apply knowledge of theoretical aspects of archaeology in the process of educational archaeological practice, methods of field research, identify and recognize archaeological monuments, draw up field documentation, date archaeological monuments;</p> <p>Own: possess the categorical and conceptual apparatus of historical disciplines; methods of historical analysis of the main stages and patterns of development of society in different historical periods; fundamentals of analysis of historical sources and documents, possess the basics and systematization of scientific research and publications; terminology of archaeological science, excavation research techniques, skills of working with tools, field camp arrangement, collection and processing, preservation archaeological finds, measurement and mapping of archaeological monuments, reconstruction of the past;</p>
		Archeology of Kazakhstan	6 term	<p>To know: to know the main stages and patterns of development of society in the most ancient period of the history of Kazakhstan, the chronological framework of historical epochs, criteria for scientific periodization of the world historical process; basic terminology of historical science, basic approaches to understanding the essence of historical processes and phenomena; the history of formation and development, tasks and methods of archeology</p>

				<p>as a science, the place of archeology of Kazakhstan in the system of historical sciences, the history of the study of archaeological monuments of Kazakhstan, archaeological periodization of the history of ancient and medieval Kazakhstan, to know the typology of archaeological monuments in Kazakhstan, the main stages of archaeological research, methods of study and research of archaeological monuments;</p> <p>Be able to:</p> <p>analyze and explain meaningfully historical phenomena and processes in their economic, political, cultural manifestations; apply knowledge and understanding of the civilizational approach to the study of the historical process on the territory of Kazakhstan, identify a system of complex dependencies and continuity of various types of civilizations on the territory of Kazakhstan and Central Asia, explain the mechanisms of formation and development of historical forms of statehood, the evolution of state-legal institutions, settled and nomadic civilizations; apply knowledge of theoretical aspects of archaeology in the process of educational archaeological practice, methods of field and laboratory research, identify and recognize archaeological monuments, draw up field documentation, date archaeological monuments of Kazakhstan;</p> <p>Own:</p> <p>possess the categorical and conceptual apparatus of historical disciplines; methods of historical analysis of the main stages and patterns of development of society in the ancient and medieval periods of Kazakhstan; fundamentals of analysis of historical sources and documents, possess the basics and systematization of scientific research and publications; the terminology of archaeological science, the technique of excavation research, the skills of working with tools, arranging a field camp, collecting and processing, preserving archaeological finds, measuring and mapping archaeological monuments on the territory of Kaazakhstan, reconstructing the past;</p>
12	special	Economic and social geography of Kazakhstan	7 term	<p>To know:</p> <p>the features of the space that surrounds us, nature, culture, past and present of your country; the key problems of the development of the main areas of the country; to find ways of rational use of natural resources;</p> <p>Be able to:</p> <p>apply the theoretical and methodological foundations of the studied science in solving specific problems arising in various sectors of the economy of the Republic of Kazakhstan; - give an economic and geographical analysis and identify - plan and manage the natural resource potential of the Republic of Kazakhstan. acquire practical skills in the development of geographical, ecological, economic, geopolitical thinking based on the study of the economy, nature, culture, past and present of your country; try to be</p>

				involved in solving complex social, economic and environmental problems of the Republic of Kazakhstan. Own: geographical, ecological, economic, geopolitical thinking based on the study of the economy, nature, culture, past and present of your country; navigate the space that surrounds it.
		Political and social geography of Kazakhstan	7 term	To know: the composition of the population, the demographic situation and their distribution and the industries of Kazakhstan and their development. Be able to: integrate existing and new social knowledge for setting scientific tasks and solving problems arising in society; solve applied and professional problems, problems of managerial activity and information retrieval in complex and unpredictable situations of training and work; be ready to develop their own trajectory of educational programs and self-education, as well as participate in the professional development of others and etc . Own: The potential of planning and management of the natural resource of the Republic of Kazakhstan. acquire practical skills in developing geographical, ecological, economic, and geopolitical thinking based on the study of the economy, nature, culture, past and present of your country; navigate the space that surrounds
13	special	Historical geography	7 term	To know: specific data on historical geography, geographical characteristics of individual historical places. the true role of the geographical environment in the development of society, a branch of historical science that studies the main characteristic features of the geographical, spatial side of the historical process. Be able to: apply conceptual apparatus, geography data in historical science and interdisciplinary research. To identify and apply theoretical and methodological approaches to the study of history in geography.To concretize our ideas about historical events and phenomena, connects them with certain territories, studies the geography of the historical past of mankind, including in terms of interaction and mutual influence of nature and society. In other words, historical geography is the geography of a certain territory at a certain stage of the historical development of its population Own: on the application of geographical knowledge in research; be competent in the use of acquired knowledge in research and teaching activities.

		History of geographical discoveries	7 term	<p>To know: the chronology of geographical discoveries and give a full description to their purpose of the task. About the research of the first travelers. to know the idea of modern geographical discoveries related to scientific and technological progress, with space photography; to have an idea of the problems of the history of discoveries of former times; the creation of modern maps.</p> <p>Be able to: indicate on the world map the route movements of the great travelers of the round-the-world trip. Distinguish between the studies of Spanish and Portuguese travelers. have an idea of modern research processes, are familiar with the general stages of the discovery and study of the territory of the country, the stages of the formation of geological history and the development of organic life.</p> <p>Own: methods of generalization and analysis of disparate factual material; great travelers of geographical knowledge in research work; be competent in the use of acquired knowledge in research and teaching activities. Possess the use of geographical knowledge and skills in everyday life and in the process of preparing for future professional activity; in ensuring vital activity and adaptation to environmental conditions.</p>
14	special	Fundamentals of scientific research	7 term	<p>To know: the basic principles of the organization of research work, the methodology of scientific research, to possess the technologies of preparation and registration of scientific and analytical review, scientific report, theses of the report, scientific article and thesis necessary for independent work - mastering</p> <p>Be able to: apply the acquired knowledge for independent work on historical research and research on the methodology of historical research.</p> <p>Own: to use the acquired professional knowledge for the development of research abilities, the development of intellectual and creative abilities.</p>
		Theory and methodology of scientific research	7 term	<p>To know: the basic concepts of the theory and methodology of scientific research and the formation of scientific knowledge, patterns of formation and development of scientific disciplines; to operate with the basic models, models and principles of the organization and functioning of science;</p> <p>Be able to:</p>

				<p>to choose theoretical research methods, to create new methods, improving them, arising in research activities and requiring deep professional knowledge; to conduct an examination of the mutual effectiveness of modern theory and practice based on the theory and methodology of scientific research, methodology of natural science, socio-humanitarian and technical knowledge;</p> <p>Own: write scientific theses, formulate your thoughts at conferences, round tables, discussions and exchanges of opinions, conduct scientific research and engage in scientific and pedagogical activities that require basic knowledge in the field of theory and methodology of scientific research.</p>
18.	special	Fundamentals of tourism and local history	7 term	<p>To know: the main methods of tourist and local history work; to use the main sources of local lore; the basis of organizations of tourist and local lore work and the use of objects of local lore and sources of local lore; Classification of hikes, the concept of types of tourism, and their features and development prospects.</p> <p>Be able to: to organize tourist and local history work; to observe objects and processes of nature; to use both objects of local history and sources of local history. Build a route, and characterize its developments. Organize a non-categorical hiking trip. Distribute the duties of a tourist. Organize personal, group, special tourist equipment.</p> <p>Own: demonstrate knowledge about the multifaceted aspects of tourism and local history work, on the regulation of tourism and local history work. Summing up a hiking trip. Give a report about the campaign. The basics of training and briefing for tourists</p>
		National reserves of Kazakhstan	7 term	<p>To know: the state reserves of Kazakhstan, the basic concepts and principles of the organization of specially protected areas in Kazakhstan, the main characteristics of the reserves of the country, the theoretical foundations of the organization of specially protected natural areas; physical and geographical characteristics of the reserves of the Republic of Kazakhstan</p> <p>Be able to: give a physical and geographical description of the national parks of the Republic of Kazakhstan; characterize the theoretical basis of the organization of specially protected natural territories.</p> <p>Own:</p>

				to master practical recommendations for improving nature conservation in Kazakhstan for conducting training at geographical and biological hospitals, representing the standards of untouched nature - in state reserves, in order to be able to compare natural processes with those that occur under the influence of human activity.
19.	special	Auxiliary historical disciplines	7 term	<p>To know: the history of the emergence and development of special historical disciplines, the stages of their formation and modern state; the basic concepts of the studied disciplines, their specifics and application in the learning process; the subject of research of each special historical discipline, the features of the disciplinary structure of modern historical science and the place of special historical disciplines in it ;</p> <p>Be able to: apply the basic research methods of special historical disciplines in the process of working on to analyze the information obtained in the study of special historical disciplines and link them with the real historical process, analyze historical problems, establish cause-and-effect relationships; identify common features and differences of compared historical processes and events; historical sources, establish cause-and-effect relationships; work with paleographic, metrological and chronological material.</p> <p>Own: general professional knowledge of the theory and methods of historical research; the ability to understand, critically analyze and present basic historical information; skills of working with educational and methodical literature, with historical sources (material and written); necessary theoretical knowledge for passing archaeological, archival and museum practices; principles and methods of selection and systematization of archival documents;</p>
		Source studies and historiography	7 term	<p>To know: fundamentals of the theory and methodology of source studies, the basics of classification and systematization of historical sources, the main complexes of sources on history, the interdependence of the method of research of historical sources from general scientific and historical methodology; the formation and stages of development of historiography, the level of development of historical knowledge in different periods of history, the basic concepts of historiography; the main directions in modern historiography, the features of their theoretical foundations and methods, traditions and problems of historical science at different stages of its development, the place of historiographical and source studies in the development of historical science, the relationship of historiography and source</p>

				<p>studies, ideas about working with historical sources and historiographical literature in the field of history and related fields of social and humanities, history formation of scientific historiographical and source studies schools and directions;</p> <p>Be able to: to identify, classify and systematize historiographical literature and historical sources on the studied problem, to determine the place of historiographical and source studies in the development of historical science, to identify and analyze socio-economic, political-ideological and cultural-mental determinants, to evaluate the development of historical thought in different periods of history, to determine the ratio of internal and external factors of evolution and transformation of historical thoughts; to determine and trace the relationship of historiography and source studies with the development of historical knowledge in the sciences related to history; to effectively use the methods of source and historiographical analysis in research work, freely operate with the basic theoretical concepts of the course;</p> <p>Own: skills of internal and external criticism of historical sources, skills of analysis of source studies and historiographical facts, skills of identifying both general trends and idiosyncrasies in approaches to assessing certain historical processes in historical concepts of historians, skills of interpretation and analysis of historiographical languages, skills of collecting and analyzing information on the history of historical science, to possess the acquired knowledge in the educational, teaching and research activities.</p>
20.	special	Political , economic and social geography of the world	7 term	<p>To know: the essence of the concept of "world economy", its various interpretations and theories explaining its origin; geographical patterns of development and location of territorial organizations of socio-economic systems; general characteristics of the leading branches of the world economy; - modern typology of the countries of the world, as well as the political map of the world; - global problems of humanity and ways to solve them.</p> <p>Be able to: to show the role of the international division of labor in the formation of the regional structure of the world economy, as well as its impact on the socio-economic development of the countries of the world; to analyze geographical patterns of development of territorial socio-economic systems; to identify modern demographic, ethnic and geopolitical problems;</p> <p>Possess:</p>

				analyze the geographical specifics of local, regional and global problems of our time; conduct research and use various methods for the development of scientific creativity;
		Geoeconomics and fundamentals of political geography	7 term	<p>To know: the basic terms of economic geography; the essence of global problems and their increasing relevance; characteristics of geo-economic space.</p> <p>Be able to: work with the political map of the world; use cartos and diagrams; use and apply media and Internet data, competently make presentations and reports; monitor the changes taking place on the political map of the world in recent years.</p> <p>Possess: the latest data on the ethno-religious composition, demographic situation and economic development of the countries of the world.</p>
21.	special	Geoeological monitoring	8 term	<p>To know: principles, methods and rules for collecting, processing and statistical analysis of observation results; methods of ground-based chemical, physical and biological analysis of the state of the environment, as well as remote monitoring methods; various types and systems of geoeological monitoring, its levels, purpose, content, structure and problems of organization; methods of ground-based chemical, physical and biological analysis environmental conditions, as well as remote monitoring research methods; principles, methods and rules for collecting, processing and statistical analysis of observation results; education of a responsible attitude to nature and readiness for active actions to protect it.</p> <p>Be able to: identify various types and systems of geo-ecological monitoring, its levels, purpose, content, structure and problems of the organization;</p> <p>Own: analyze the system of constant monitoring of environmental processes; demonstrate a responsible attitude to nature and readiness for active actions to protect it: about the state of the environment and its changes; about the cause of the observed and probable changes in the state (i.e., about the sources and factors of impact); about the permissible loads on individual components and the environment as a whole; about the existing reserves of the biosphere.</p>
		Urban ecology	8 term	<p>To know: the causes and patterns of formation of urbanized territories; the causes of urban growth; the impact of the urban environment on humans; demographic problems of urbanization; environmental problems of cities; the impact of cities on natural biocenoses; the emergence of urban and anthropocenoses; negative changes in the urban environment;</p>

				<p>socio-economic problems of cities; vulnerability of cities in man-made disasters and the main ways to reduce environmental hazards in urbanized areas</p> <p>Be able to:</p> <p>analyze negative changes in the urban environment; socio-economic problems of cities: systematize full-scale and remote observations of monitoring objects; systematize production works (types of work, requirements for their implementation, during environmental monitoring); systematize scientific and methodological developments (complex techniques necessary for planning and conducting observations, analyzing the results of observations and their evaluation, and forecasting and issuing decisions); systematize technical support (laboratory equipment, equipment for collecting information, computers, technical means, transport, communications, etc.); systematize software for analyzing the results of observations, as well as modeling and forecasting changes in the state of the OS.</p> <p>Own:</p> <p>assessments of the economic and geographical position of cities and urban settlement systems; diversity of internal and external relations, dynamism of states, ability to self-regulate, hierarchy;</p>
22.	special	Geoglobalistics and environmental management	8 term	<p>To know:</p> <p>the categorical apparatus of globalistics; .methodology for studying global processes; .the history of the emergence of the science of the global world;</p> <p>Be able to:</p> <p>reveal the content of the basic concepts of the course; characterize the main paradigms of modern globalism; give your own assessment of the ongoing global processes; possess theoretical knowledge that allows you to analyze the problems of the development of human civilization; skills to analyze the global problems of modernity and ways to solve them;</p> <p>Own:</p> <p>forecasting trends in the development of the global world</p>
		Environmental protection	8 term	<p>Know:</p> <p>theoretical foundations of environmental protection; - the main anthropogenic-caused negative processes in various environmental objects (hydrosphere, atmosphere and soil) and in ecosystems; - principles and methods of protection of flora and fauna, conservation of their biodiversity and productivity; - the main measures to prevent pollution and other types of anthropogenic impact on the environment.</p> <p>Be able to:</p>

				<p>use the acquired knowledge for environmental protection and rational use of natural resources;</p> <p>Own: ideas about the importance of environmental protection and methods of its implementation in practice.</p>
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Table 2. Sequence of mastering disciplines of social and professional interaction

№	Course	Providing disciplines	Competencies	Expected results in the discipline
1	1	History of Kazakhstan	Competencies of general education	<p>To know: - demonstrate knowledge and understanding of the main stages of the development of the history of Kazakhstan;</p> <p>Be able to: - to correlate the phenomena and events of the historical past with the general paradigm of the world-historical development of human society through critical analysis; - be able to objectively and comprehensively comprehend the immanent features of the modern Kazakh model of development;</p> <p>Own: - possess the skills of analytical and axiological analysis in the study of historical processes and phenomena of modern Kazakhstan; - to systematize and give a critical assessment of historical phenomena and processes of the history of Kazakhstan</p>
2	1	Foreign language	Competencies of general education	<p>To know: - lexical minimum and language material of topics and subtopics in this discipline (social and household and socio-cultural spheres of communication).</p> <p>Be able to: - understand by ear not only individual phrases and frequently used words, but also more voluminous statements on topics directly related to him, - understand the main content of short simple messages on the radio, at the airport, at the train station. - understand when reading the content of short, simple texts, advertisements, brochures, menus, bus and train schedules, a short, simple personal letter, e-mail. - communicate in simple typical situations that require the exchange of information within familiar topics and activities, be able to talk about family, living conditions, educational classes.</p>

				<ul style="list-style-type: none"> - write a simple personal letter, a note, an autobiography. <p>Own:</p> <ul style="list-style-type: none"> - understanding of foreign-language dialogic and monologue speech within the framework of general cultural and professional topics; - a foreign language at a level that allows you to carry out the main types of speech activity; - various ways of oral and written communication; - skills of adequate response in situations of everyday, academic and professional communication; - listening, reading, writing skills.
3	1	Kazakh (Russian) language	Competencies of general education	<p>To know:</p> <ul style="list-style-type: none"> - theoretical foundations of the course (language, its functions, forms of speech, text, its features, speech styles, functional and semantic types of speech); - features of dialogic and monologue speech; - types of scientific information and specifics of its implementation in a scientific text; - elements of structural and semantic analysis and semantic analysis of a scientific text, components of the speech situation, the speaker's intentions. <p>Be able to:</p> <ul style="list-style-type: none"> - to make the right choice and use of language and speech means to solve certain problems of communication and cognition based on knowledge of a sufficient volume of vocabulary, grammatical knowledge system, pragmatic means of expressing intentions; - to compose everyday, socio-cultural, official and business texts in accordance with generally accepted norms, functional orientation, using lexico-grammatical and pragmatic material of a certain certification level that is adequate for the set goal; - to convey the factual content of texts, formulate their conceptual information, describe the deductive knowledge (pragmatic focus) of both the entire text and its individual structural elements; - interpret the information of the text, explain the stylistic and genre specifics of the texts of socio-cultural, socio-political, official-business and professional spheres of communication in the scope of certification requirements; - participate in communication in various situations of different spheres of communication in order to realize their own intentions and needs (domestic, educational, social, cultural), stating them ethically correctly, meaningfully fully, lexically-grammatically and pragmatically adequate to the situation; - discuss ethical, cultural, socially significant issues in discussions, express your point of view, defend it in a reasoned manner, critically evaluate the opinion of interlocutors; - to build programs of speech behavior in situations of personal, social and professional communication in accordance with the norms of language, culture, specifics of the sphere of communication, certification requirements;

				<p>- request and report information in accordance with the communication situation, evaluate the actions and actions of participants, use information as a tool to influence the interlocutor in situations of cognition and communication in accordance with certification requirements.</p> <p>Own:</p> <ul style="list-style-type: none"> - skills of producing oral and written speech in accordance with the communicative purpose and professional sphere of communication; - language skills in various situations of everyday, socio-cultural, professional communication; - skills of searching, processing information in Russian; - types of speech activity.
4	1	Information and communication technologies (in English.language)	Competencies of general education	<p>To know:</p> <ul style="list-style-type: none"> - what economic and political factors contributed to the development of information and communication technologies; - features of various operating systems, architecture. <p>Be able to:</p> <ul style="list-style-type: none"> - identify the main trends in the field of information and communication technologies; - use information resources to search and store information; - work with spreadsheets, consolidate data, build graphs; - apply methods and means of information protection; design and create simple websites; - process vector and raster images; create multimedia presentations; use various platforms for communication; - calculate and evaluate performance indicators of supercomputers; - use various forms of e-learning to expand professional knowledge; - use various cloud services. <p>Own:</p> <ul style="list-style-type: none"> - development of the database structure; - designing and creating presentations; - receiving data from the server; - creating video files; - work with Smart applications; - work with services on the e-government website.
5	1,2	Physical C Sociology culture	Competencies of general education	<p>To know:</p> <ul style="list-style-type: none"> - the role of physical culture in the development and training of a specialist; - fundamentals of the state policy of the Republic of Kazakhstan in the field of physical culture and sports; - theoretical and methodological foundations of physical culture; - the main achievements of the Republic of Kazakhstan in the field of physical culture; - hygienic and organizational bases of physical culture and sports. <p>Be able to:</p> <ul style="list-style-type: none"> - to use practical skills and abilities in life that ensure the preservation and strengthening of health, the development and improvement of psychophysical abilities and qualities; - to use physical culture, sports and recreational activities to achieve life and professional goals; - apply the rules for the safe conduct of physical exercises and sports. <p>Own:</p>

				<ul style="list-style-type: none"> - skills of organizing mass sports competitions; - exercises for professional and pedagogical physical training, general physical training, special physical training, as well as to apply special games in practice; - a system of practical skills that ensure the preservation and strengthening of health, development and improvement of psychomotor abilities and qualities.
6	1	Sociology	Competencies of general education	<p>To know:</p> <ul style="list-style-type: none"> - patterns and stages of the historical process, the main historical facts, dates, events and names of world and domestic historical figures; - the main events and processes of national history in the context of world history <p>Be able to:</p> <ul style="list-style-type: none"> - critically perceive, analyze and evaluate historical information, factors and mechanisms of historical changes; - analyze civil and ideological positions in society, form and improve their views and beliefs, transfer philosophical worldview to the field of material and practical activities; - use various philosophical methods to analyze trends in the development of modern society, philosophical and legal analysis <p>Own:</p> <ul style="list-style-type: none"> - skills of a holistic approach to the analysis of society's problems; - methods of philosophical, historical and cultural studies, techniques and methods of analyzing the problems of society; - causal relationships in the development of Kazakhstan society; the place of a person in the historical process and the political organization of society; the skills of respectful and careful attitude to the historical heritage
	1	Cultural studies		<p>To know:</p> <ul style="list-style-type: none"> - basic theories of culture, basic concepts of cultural studies; the main directions of the methodology of modern cultural analysis; - the history of the formation of world culture and civilization, theoretical features of basic cultural concepts, various interpretations of culture and civilization in world and domestic literature; - actual problems of the development of modern culture; - the idea of culture as a socio-historical phenomenon; - patterns of the development of world cultures, as well as the typology of the classification of cultures; - basic knowledge about the history of the most important cultures of mankind; - about the ways of acquiring, storing and transmitting the basic values of culture - about the diversity and self-worth of different cultures,

			<ul style="list-style-type: none"> - forms and types of culture, patterns of their functioning and development, the main cultural and historical regions - the history of Kazakh culture, its place in the system of world culture and civilization <p>Be able to:</p> <ul style="list-style-type: none"> - be able to identify the features of this culture, the dominant values in it; - explain the specifics of intercultural communication; - be able to conduct independent professional activity in a dynamically changing multicultural society; - be able to navigate the cultural environment of modern society; - be able to explain the phenomenon of culture, its role in human life; - be able to navigate cultural issues, independently understand the issues of the influence of cultural factors on the behavior of individuals; <p>Own:</p> <ul style="list-style-type: none"> - practical skills in the preservation and enhancement of national and world cultural heritage; - practical skills of practical use of knowledge and skills in taking into account the specifics of cultural behavior of various individuals and collectives in the modern conditions of the formation of civil society in the Republic of Kazakhstan.
		Political Science	<p>To know:</p> <ul style="list-style-type: none"> - the main stages of the development of political knowledge in the history of civilization; - schools and directions of modern political science; - political life of society; - the political system and its institutions; - the essence of political processes in the country and the world. <p>Be able to:</p> <ul style="list-style-type: none"> - analyze the features of political systems and the functioning of political institutions; - critically evaluate the theoretical approaches of political science; - to identify the interrelationships and patterns of the political process; - compare political systems, institutions and actors in an inter-country and subnational context, based on the knowledge gained and the methods mastered. <p>Own:</p> <ul style="list-style-type: none"> - Have the skills (gain experience) of working with primary sources on the topics of the course; analysis of regulatory legal acts and other documents; search, processing and analysis of information; solving problems related to the assessment of the political course; working in groups, project activities, business games; public speaking; academic writing.

				Have the skills to express their thoughts and opinions in interpersonal and business communication in a foreign language; the skills to extract the necessary information from the original text in a foreign language
	1	Psychology		<p>To know: the meaning and place of psychology in the system of sciences; the main directions of personality development in modern psychology; personal values and meanings in professional self-determination; the relationship and mutual influence of the psyche and body; techniques and techniques of effective communication.</p> <p>Be able to: interpret basic psychological theories, concepts; use methods and mechanisms of emotion regulation in everyday life; identify patterns of behavior in a conflict situation and conduct self-diagnosis.</p> <p>Own: definitions of individual psychological characteristics of personality, value-semantic concepts in professional self-determination of personality; recognition of psychological impact and effective communication.</p>
	2	Philosophy		<p>To know: - basic philosophical concepts and categories, patterns of development of nature, society and thinking; - the essence of philosophical categories, terminology of philosophy and the structure of philosophical knowledge, functions of philosophy methods of philosophical research; - the place and role of philosophy in public life;</p> <p>Be able to: - to use the basics of philosophical knowledge to form a worldview position; - analyze ideological, socially and personally significant philosophical problems; - to orient oneself in the system of philosophical knowledge as a holistic view of the foundations of the universe and the prospects for the development of planetary society; - to understand the characteristic features of the modern stage of philosophy development</p> <p>Own: - skills of philosophical analysis of various types of worldview; - the skills of philosophical thinking to develop a systematic, holistic view of the problems of society; - skills of analyzing texts with philosophical content</p>
7	1	Fundamentals of market economy and entrepreneurship	Competencies of general education	<p>To know: the study of various scientific theories about the market economy, entrepreneurial activity, consideration of types, spheres of entrepreneurial activity, market mechanism. Owns various quantitative methods of entrepreneurial calculations, marketing research, analytical calculations and forecasts, owns the methodology for calculating general and actual indicators of production and</p>

				<p>business projects;</p> <p>Be able to: analyze and justify the reality of business plans, market segmentation, competently and professionally assess the market situation for the organization of their business, creatively approach the solution of various economic tasks, analyze the economic situation of the business sector and give a correct assessment of qualitative changes in the development of the economy; possess practical skills of independent economic work in the enterprise, fast and correct orientation to the initial information and calculated economic indicators.</p> <p>Own: fundamentals of market economy and entrepreneurship; basic doctrines, concepts and directions of development of market economy and entrepreneurship; methods of constructing graphs and diagrams illustrating various economic models and types of business plans; directions for assessing economic processes and phenomena; current problems of the modern economy, ways to identify problems of an economic nature in the analysis of specific situations, methods micro- and has techniques for solving them, taking into account the actions of economic patterns at the macro levels.</p>
	1	Fundamentals of law and anti-corruption culture		<p>To know: the basic concepts and essence of legal relations, as well as legal mechanisms for regulating legal relations, the procedure for applying responsibility in legal relations, the importance of the principles and culture of academic honesty, the measure of moral and legal responsibility for corruption offenses.</p> <p>Be able to: has an intolerant attitude to corrupt behavior, respects the law and the law;</p> <p>Own: conducting discussions on legal issues, on the application of norms in the modern period.</p>
8	1	Age physiology and school hygiene	General professional competence	<p>To know:</p> <ul style="list-style-type: none"> - general patterns of growth and development of the body, - age-specific features of physiology and hygiene of all systems of the child's body, hygienic requirements for buildings, classrooms, air environment, lighting of classrooms and equipment of schools, - hygienic basics of the organization of the educational process and the daily routine for preschool children, - fundamentals of health protection of children and adolescents, introduction to the rules of a healthy lifestyle. <p>Be able to:</p> <ul style="list-style-type: none"> - apply knowledge about the basics of age physiology, - school hygiene for their intellectual development, raising the cultural level,

				<p>- professional competence, preservation of one's health, moral and physical self-improvement.</p> <p>Own:</p> <ul style="list-style-type: none"> - organization of educational work with preschool children, taking into account the anatomical and physiological characteristics of the body, as well as taking into account the hygienic requirements for the building and classrooms, - furniture and equipment of schools, ensuring the protection of life and health of students in the educational process and extracurricular activities, <p>countering adverse environmental factors by introducing preschool children to the formation of a healthy lifestyle and health promotion.</p>
9	1	Pedagogy	General professional competence	<p>To know:</p> <ul style="list-style-type: none"> - theoretical and methodological foundations of pedagogy as a science, current trends in education, - the essence of the holistic pedagogical process, the main methods, - forms and means of organizing the educational process, as well as features of the management of the pedagogical process. <p>Be able to:</p> <ul style="list-style-type: none"> - to design and carry out educational work in accordance with the laws, educational mechanisms of the pedagogical process; - formulate educational tasks, choose types of activities, forms and methods of work in a holistic pedagogical process. <p>Own:</p> <ul style="list-style-type: none"> - work with scientific pedagogical literature; <p>analysis and interpretation of pedagogical theories and concepts for the implementation of practical pedagogical activities</p>
10	1	Psychology and human development	General professional competence	<p>To know:</p> <ul style="list-style-type: none"> - features of psychology as a way of cognition of the human psyche and consciousness; - the subject and tasks of psychological science and practice; - features of personality development; mechanisms and factors of the child's mental development at various stages of his formation as a person; - dynamics of development and structure of personality and human activity; - psychological features of a person's personality in ontogenesis and phylogeny; <p>Be able to:</p> <ul style="list-style-type: none"> - use the acquired knowledge in practice; - to create a methodological basis for monitoring the progress, completeness of the content and conditions of the child's mental development. <p>Own:</p>

				- to determine the psychological characteristics of a person's personality in ontogenesis and phylogeny.
11	2	Education Management	General professional competence	<p>To know:</p> <ul style="list-style-type: none"> - the content of management as a special type of professional activity; - development of this science in the works of domestic and foreign authors; - basic theories and concepts of educational systems management; - psychological aspects, principles and mechanisms of theoretical and methodological foundations of management in education: functions, patterns, methods of pedagogical management; - system-forming factors of pedagogical management; - the history of the development of management concepts in education: features of school management based on systematic, humane, competence-based and technological approaches: fundamentals of the management of the holistic pedagogical process of the school. <p>Be able to:</p> <ul style="list-style-type: none"> - apply the acquired theoretical knowledge in the practice of managing an educational institution; - to carry out diagnostic, analytical and design activities within the framework of a unified management system of an educational institution; - to use the skills of systematic, humane, human-centered, competence-based and technological approaches to the management of an educational institution; - to evaluate the quality of management activities from the standpoint of the holistic pedagogical process of the school as an open pedagogical system; - to be involved in the methodological work of an educational institution, to analyze and evaluate the effectiveness of the educational process, - use modern methods of assessing the quality of education, upbringing and development of students, - apply methods of work to overcome the limitations of pedagogical management. <p>Own:</p> <ul style="list-style-type: none"> - the skills of designing and analyzing the management of the holistic pedagogical process of the school, - research activities, pedagogical communication; skills of organizing subject-subject interaction of all participants in the pedagogical process; - skills of applying the acquired knowledge during the period of professional practice, as well as in solving professional tasks; <ul style="list-style-type: none"> - be flexible and mobile in various conditions and situations related to the activities of the management of the CPP.
12	2	Theory and methodology of educational work	General professional competence	<p>To know:</p> <ul style="list-style-type: none"> - the concept of "education", "educational process", "educational system of the school", pedagogical technologies in educational work;

				<ul style="list-style-type: none"> - the technology of pedagogical interaction with school parents; the essence, goals and objectives of educational work in school and classroom; - forms and methods of pedagogical interaction and cooperation of subjects of the educational process: teachers, students, parents; - patterns of development and methods of forming a children's team; - the system and activities of the class teacher; modern technologies of education; - diagnostics of the results of educational work; the modern concept of education in the Republic of Kazakhstan and the educational systems of the school and classroom; - principles and culture of academic integrity in teaching activities in the secondary education system. <p>Be able to:</p> <ul style="list-style-type: none"> - to study and generalize advanced pedagogical experience in the field of education; - to model, plan and carry out educational work in the classroom, school with a focus on the formation of a citizen of Kazakhstan on the basis of universal and national values; to choose types of education taking into account its goals and objectives, as well as age and individual characteristics of pupils; - variatively apply methods and techniques of education, select and use means, organizational forms of education; carry out pedagogical guidance and management of the process of forming a class team and organizing its activities; organize class hours, CTD and educational activities of various directions; - to choose and use innovative technologies of education, including technologies of re-education of difficult children; - choose forms of effective cooperation with parents; organize work with gifted children; - plan, organize and conduct career guidance work in the classroom and school; study the effectiveness of the educational process and methodically ensure it. <p>Own:</p> <ul style="list-style-type: none"> - possess the skills of designing and analyzing the management of the holistic pedagogical process of the school; - research activities; <p>pedagogical communication; organization of subject-subject interaction of all participants in the pedagogical process; application of the acquired knowledge during the period of professional practice, as well as when solving professional tasks</p>
13	2	Inclusive education	General professional competence	<p>To know:</p> <ul style="list-style-type: none"> - the concept of "education", "educational process", "educational system of the school", pedagogical technologies in educational work;

				<ul style="list-style-type: none"> - the technology of pedagogical interaction with school parents; the essence, goals and objectives of educational work in school and classroom; - forms and methods of pedagogical interaction and cooperation of subjects of the educational process: teachers, students, parents; - patterns of development and methods of forming a children's team; - the system and activities of the class teacher; modern technologies of education; - diagnostics of the results of educational work; the modern concept of education in the Republic of Kazakhstan and the educational systems of the school and classroom; - principles and culture of academic integrity in teaching activities in the secondary education system. <p>Be able to:</p> <ul style="list-style-type: none"> - to study and generalize advanced pedagogical experience in the field of education; - to model, plan and carry out educational work in the classroom, school with a focus on the formation of a citizen of Kazakhstan on the basis of universal and national values; to choose types of education taking into account its goals and objectives, as well as age and individual characteristics of pupils; - variatively apply methods and techniques of education, select and use means, organizational forms of education; carry out pedagogical guidance and management of the process of forming a class team and organizing its activities; organize class hours, CTD and educational activities of various directions; - to choose and use innovative technologies of education, including technologies of re-education of difficult children; - choose forms of effective cooperation with parents; organize work with gifted children; - plan, organize and conduct career guidance work in the classroom and school; study the effectiveness of the educational process and methodically ensure it. <p>Own:</p> <ul style="list-style-type: none"> - the skills of designing and analyzing the management of the holistic pedagogical process of the school; - research activities; <p>pedagogical communication; organization of subject-subject interaction of all participants in the pedagogical process; application of the acquired knowledge during the period of professional practice, as well as when solving professional tasks</p>
14	3	Professional Kazakh (Russian) language	General professional competence	<p>To know:</p> <ul style="list-style-type: none"> - professional vocabulary and terminology; - the specifics of oral communication in the professional sphere; - language features of oral and written communication;

				<ul style="list-style-type: none"> - features of business communication and business etiquette. <p>Be able to:</p> <ul style="list-style-type: none"> - use the Russian language in interpersonal communication and professional activities; - to carry out business communication and conduct business conversations on professional topics; - to formalize and transmit the necessary information in writing; - explain your point of view and critically evaluate the proposed provisions; - create your own statements, essays, etc. - apply the norms of business etiquette in speech <p>Own:</p> <ul style="list-style-type: none"> - skills of expressing their thoughts and opinions in interpersonal and business communication in Russian; - professional terms and concepts; - professional text analysis; - information competence: the ability to work with a book, textbook, reference literature, dictionaries, to find the necessary information.
15	3	Professionally-oriented foreign language	General professional competence	<p>To know:</p> <ul style="list-style-type: none"> - lexical material on the topics of this discipline; - regulatory requirements for registration (official letter, essay, etc.). - improve pronunciation skills; - develop productive and receptive lexical and grammatical skills; - to improve the skills of dialogical speech of a general nature related to situations of everyday and professional communication; - develop listening skills (with a full understanding of what was heard); - develop and improve writing skills; - improve the skills of introductory, studying, viewing and searching reading. <p>Be able to:</p> <ul style="list-style-type: none"> - automate technical skills of reading about yourself; <p>to develop the ability to transmit scientific information and literature of a socio-political nature;</p> <ul style="list-style-type: none"> - develop skills of monologue (prepared) speech – thesis deployment; - master the reversed reading aloud of a prepared message; - teach referencing skills. <p>Own:</p> <ul style="list-style-type: none"> - complexity in solving practical, educational, educational and developmental goals (with practical goals acting as the leading ones); <p>the communicative orientation of the learning process.</p>

3. The list of modules included in the educational program 6B01510 "Geography-history"

Name of the module	Name of disciplines	Block	Term	The amount of credits for the discipline	Form of control	All credits by module
M. 1 Formation and trends of the history of Kazakhstan	History of Kazakhstan	GEC\PQ	1	5	State Exam	5
M.2 Fundamentals of linguistic training and a foreign language	Kazakh(Russian) language	GEC\PQ	1,2	10	Exam	20
	Foreign Language	GEC\PQ	1,2	10	Exam	
M.3 Functional literacy	Information and communication technology (on angl.)	GEC\PQ	2	5	Exam	5
M.4 Module of socio-political knowledge	Sociology	GEC\PQ	1,2	2	Exam	13
	Culturology	GEC\PQ	1,2	2	Exam	
	Politology	GEC\PQ	1,2	2	Exam	
	Psychology	GEC\PQ	1,2	2	Exam	
	Philosophy	GEC\PQ	3	5	Exam	
M.5 Physical culture	Physical culture	AT	1-4	8	Test	8
M.6 Module of economic and legal knowledge	Fundamentals of market economy and entrepreneurship	GEC\DEU	2	3	Exam	5
	Fundamentals of law and anti-corruption culture			2	Exam	
M.7 Psychological aspects of development in an age-related personality	Psychology and human development	CC\UC	1	4	Exam	7
	Age physiology and school hygiene	CC\UC	2	3	Exam	
M.8 Pedagogical foundations of professional activity	Pedagogy	CC\UC	1	5	Exam	10
	Educational practice (introductory)	CC\UC	2	2	Test	
	Theory and methodology of educational work	CC\UC	3	3	Exam	
M.9 Fundamentals of education	Education Management	CC\UC	3	3	Exam	19
	Inclusive education	CC\UC	4	3	Exam	
	Psychological and pedagogical practice	CC\UC	3	2	Test	
	Educational pedagogical practice	CC\UC	5	6	Test	

	Methods of teaching geography	CC\CS	5	5	Exam	
M.10 Professional languages	Professional Kazakh (Russian) language	CC\UC	5	3	Exam	6
	Professionally-oriented foreign language	CC\UC	6	3	Exam	
M.11 Ancient period in history	History of the Ancient World/ History of Antiquity	CC\CS	3	5	Exam	12
	Ancient History of Kazakhstan/ Civilizations of the Ancient East	CC\CS	3	5	Exam	
	Educational (archaeological) practice	CC\UC	6	2	Test	
M.12 Medieval history	History of the Middle Ages \ History of Asian and African countries in the Middle Ages	CC\CS	4	5	Exam	10
	Medieval history of Kazakhstan\ History of traditional society	CC\CS	4	5	Exam	
M.13 Fundamentals of natural science	Educational (physical and geographical) practice	CC\UC	4	2	Test	15
	Cartography with the basics of topography \ History of cartography	БД\KB	4	4	Exam	
	General Earth science	CC\UC	3	5	Exam	
	Fundamentals of Geology and Geomorphology \ Paleogeography	MC\US	4	4	Exam	
M.14 The history of modern times	New history of Kazakhstan \ Central Asia and Kazakhstan in the new time	CC\US	5	5	Exam	10
	New History of the countries of the East and West \ History of international relations in a new period	MC\KB	5	5	Exam	
M. 15 The newest period of history	The modern history of Kazakhstan \ The Republic of Kazakhstan in the world community	CC\US	6	5	Exam	10
	Recent history of the countries of the East and West \ History of international relations in the recent period	CC\US	6	5	Exam	
M.16 Fundamentals of physical geography	Physical geography of Kazakhstan \ History of nature research of Kazakhstan	CC\US	6	5	Exam	10
	Physical geography of continents and oceans\ Meteorology with the basics of climatology	MC\US	6	5	Exam	

M.17 Social and economic geography of Kazakhstan and historical geography	Economic and social geography of Kazakhstan \ Political and social geography of Kazakhstan	CC\US	7	6	Exam	15
	Historical geography \ History of geographical discoveries	CC\US	7	5	Exam	
	Fundamentals of tourism and local history/ National Reserves of Kazakhstan	MC\US	7	4	Exam	
M.18 Auxiliary types of history	Fundamentals of scientific research \ Theory and methodology of scientific research	CC\US	7	5	Exam	10
	Auxiliary historical disciplines\ Source studies and historiography	MC\US	7	5	Exam	
M.19 Modern trends in updating geographical and historical education	Criterion assessment and learning technologies/ Digital technologies in the educational process	CC/US	8	10	Exam	30
	Methods of teaching geography	CC\UC	4	5	Exam	
	Methods of teaching history	CC\UC	5	5	Exam	
	Industrial (pedagogical) practice	CC\UC	8	10	Test	
M.20 Modern method of studying geocology and geoglobalistics	Geoecological monitoring/ Urban Ecology	MC/US	8	4	Exam	7
	Geoglobalistics and environmental management/ Environmental protection	MC/US	8	3	Exam	
M.21 Final certification	Writing and defending a thesis (project) or preparing and passing a comprehensive exam	AT	8	12	FC	12