

MINISTRY OF SCIENCES AND HIGHER EDUCATION OF THE  
REPUBLIC OF KAZAKHSTAN  
M.O. AUEZOV SOUTH KAZAKHSTAN UNIVERSITY



Chairman of the Board Rector

D.Zh.Ahmed-Zaki

2025 y.

**EDUCATIONAL PROGRAM**

**6B05220 - Geography**

Registration Number	6B05200048
Code and Classification of Education	6B05 - Natural sciences, mathematics and statistics
Code and Classification of Areas of Training	6B052 – Environment
Group of educational programs (EP)	B052 - Earth science
Type of EP	Acting
ISCE level	6
NQF level	6
IQF level	6
Language learning	Kazakh, Russian, English
The complexity of the EP	240 credits
Distinctive features of EP	
Partner University (JEP) -	-
University partner (DDEP) -	-

Developers:

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The EP was considered at a meeting of the Academic Quality Committee of the «Natural Sciences and Pedagogy» Higher School,  
Minutes № 6 «17» 03 2025 y.

Chairman of the Committee  Madiyarov N.K.

The EP was considered and recommended for approval at Educational-methodical meeting of M. Auezov SKU  
Minutes № 4 «18» 03 2025 y.

Chairman of the EMM  E. Imangaliyev

The EP was approved by the decision of the Academic Council of the University  
Minutes № 10 «27» 03 2025 y.

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## 1. CONCEPT OF THE EDUCATIONAL PROGRAM

<b>Mission of the University</b>	Generating new competencies, training a leader who translates research thinking and culture.
<b>University Values</b>	<ul style="list-style-type: none"> <li>- Openness - open to change, innovation and cooperation.</li> <li>- Creativity - generates ideas, develops them and turns them into values</li> <li>- Academic freedom - free to choose, develop and act.</li> <li>- Partnership - creates trust and support in a relationship where everyone wins.</li> <li>- Social responsibility - ready to fulfill obligations, make decisions and be responsible for their results.</li> </ul>
<b>Graduate Model</b>	<ul style="list-style-type: none"> <li>- Deep subject knowledge, their application and continuous expansion in professional activity</li> <li>- Information and digital literacy and mobility</li> <li>- Research skills, creativity and emotional intelligence</li> <li>- Entrepreneurship, independence and responsibility for their activities and well-being</li> <li>- Global and national citizenship, tolerance to cultures and languages</li> </ul>
<b>Uniqueness of the EP</b>	<ul style="list-style-type: none"> <li>• Orientation to the regional labor market and social order through the formation of professional competencies of the graduate, adjusted to the requirements of stakeholders</li> <li>• Practical orientation and emphasis on the development of critical thinking and entrepreneurship, the formation of a wide range of skills that will allow to be functionally literate and competitive in any life situation and be in demand in the labor market.</li> </ul> <p>It is implemented in the direction of developing students' creativity, critical thinking, sociability and the ability to work in a team to solve modern natural science problems.</p>
<b>Academic Integrity and Ethics Policy</b>	<p>The university has taken measures to maintain academic integrity and academic freedom, protection from any type of intolerance and discrimination:</p> <ul style="list-style-type: none"> <li>• Rules of academic integrity (order No. 212 of October 10, 2022);</li> <li>• Anti-corruption standard (order No. 8 n/a dated 08/01/2025).</li> <li>• Code of Ethics (Order No. 212 of October 10, 2022)</li> </ul>
<b>Regulatory and legal framework for the development of EP</b>	<ol style="list-style-type: none"> <li>1. Law of the Republic of Kazakhstan “On Education”;</li> <li>2. «Model Rules for the Activities of Organisations of Higher and Postgraduate Education», approved by order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 30, 2018 No. 595 as reworded by order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated June 24, 2024. No. 307;</li> <li>3. Standard rules for admission to training in educational organizations implementing educational programs of higher and postgraduate education, approved by order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 31, 2018 No. 600 as reworded by order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 26,</li> </ol>

	<p>2024. No. 372;</p> <p>4. State mandatory standards for higher and postgraduate education, approved by order of the Ministry of Education and Science of July 20, 2022 No. 2 as reworded by order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated March 04, 2025. No. 90;</p> <p>5. Rules for organizing the educational process in credit technology of education, approved by order of the Ministry of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152 as reworded by order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated April 29, 2024. No. 203;</p> <p>6. Qualification reference book for positions of managers, specialists and other employees, approved by order of the Minister of Labor and Social Protection of the Population of the Republic of Kazakhstan dated December 30, 2020 No. 553 as reworded by order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated June 20, 2024. No. 207;</p> <p>7. Methodological recommendations for introducing ECTS principles into the educational process and expanding academic freedom. Appendix to the order of the Minister of Science and Higher Education. of the Republic of Kazakhstan dated February 12, 2024 No. 57</p> <p>8. Guidelines for the development of educational programs for higher and postgraduate education, Appendix 1 to the order of the Director of the National Center for the Development of Higher Education of the Ministry of Education and Science of the Republic of Kazakhstan dated May 4, 2023 No. 601 н/к.</p>
<b>Organization of the educational process</b>	<ul style="list-style-type: none"> <li>- Implementation of the principles of the Bologna Process</li> <li>- Student-centered learning</li> <li>- Availability</li> <li>- Inclusivity</li> </ul>
<b>Quality assurance of EP</b>	<ul style="list-style-type: none"> <li>- Internal quality assurance system</li> <li>- Involvement of stakeholders in the development of the EP and its evaluation</li> <li>- Systematic monitoring</li> <li>Updating the content (updating)</li> </ul>
<b>Requirements for applicants</b>	<p>They are established in accordance with the Standard Rules for admission to training in educational organizations implementing educational programs of higher and postgraduate education by order of the Ministry of Education and Science of the Republic of Kazakhstan No. 600 as reworded by order of the Minister of Science and Higher Education of the Republic of Kazakhstan dated July 26, 2024. No. 372</p>
<b>Conditions for the implementation of educational programs (EP) for persons with disabilities and special educational needs</b>	<p>For students with SEN (special educational needs) and persons with disabilities (PSI), tactile PVC tiles, specially equipped toilets, a mnemonic circuit, rods in shower bars have been installed in educational buildings and student dormitories. Special parking spaces have been created. Crawler lift installed. There are desks for people with limited mobility (PLM), signs indicating the direction</p>

<b>(SSN)</b>	<p>of movement, ramps. In the educational buildings (main building, building No. 8) there are 2 rooms with six working adapted for users with disorders of the musculoskeletal system (DMS). For visually impaired users, there is a SARA™ CE machine (2 pcs.) is available for scanning and reading books. The library website is adapted for the visually impaired. There is a special NVDA audio program with a service. The JIC website <a href="http://lib.ukgu.kz/">http://lib.ukgu.kz/</a> is open 24/7. An individual differentiated approach is provided for all types of classes and in the organization of the educational process.</p>
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## 2. PASSPORT OF THE EDUCATIONAL PROGRAM

<b>Purpose of the EP</b>	Preparation of bachelors of natural sciences in the specialty 6B05220 - "Geography", possessing in-depth theoretical and practical vocational training in the field of geography, having a civil position, capable of formulating and practically solving modern problems in the field of education, science and culture, carrying out managerial, scientific and research activities.
<b>Tasks of the EP</b>	<ul style="list-style-type: none"> <li>–providing students of the specialty 6B05220 - "Geography" with fundamental knowledge of geography, guaranteeing their professional mobility in the real developing world;</li> <li>–developing students' ability to self-improvement and self-development, the needs and skills of independent creative mastering new knowledge throughout their active life activities;</li> <li>–providing skills and lifelong learning skills that will allow them to successfully adapt to changing conditions throughout their professional careers;</li> <li>–providing conditions for acquiring a high general intellectual level of development, mastering competent and developed speech, a culture of thinking and the skills of scientific organization of work in the field of scientific geography;</li> <li>–the formation of the competitiveness of graduates in the field of scientific geography, to ensure the possibility of their quickest employment in the specialty or continuing education at the next levels of education.</li> <li>–Establishing conditions for the development of in-demand knowledge and skills, as well as a conscious attitude towards enhancing the welfare of society and conserving the planet within the framework of the SDGs;</li> <li>–Creating conditions for the formation of in-demand knowledge and skills, a conscious attitude towards improving the well-being of the population and protecting the planet in the context of the SDGs.</li> </ul>
<b>Harmonization of EP</b>	<ul style="list-style-type: none"> <li>• 6th level of the National Qualifications Framework of the Republic of Kazakhstan;</li> <li>• Dublin descriptors of the 6th level of qualification;</li> <li>• 1 cycle of a Framework for Qualification of the European Higher Education Area);</li> <li>• 6<sup>th</sup> Level of European Qualification Framework for Life long Learning).</li> </ul>
<b>Connection of the EP with the professional sphere</b>	<p>Professional standard "Geographer (Specialist in the performance of works and services of geographical orientation)" approved by Order of the Ministry of Labor and Social Protection of the Russian Federation dated December 24, 2020 No.954n Geographer (Specialist in the performance of works and services of geographical orientation). (Registered by the Ministry of Justice of the Russian Federation on February 4, 2021, registration number 62379).</p> <p>Professional standard "Forensic soil examination", according to Appendix 14 to this Order of the Minister of Justice of the Republic of Kazakhstan dated January 23, 2024 No. 60).</p>
<b>Name of the degree awarded</b>	After successful completion of this educational program, the graduate is awarded the degree of "Bachelor of Natural Sciences in the educational program 6B05220-"Geography".
<b>List of qualifications and positions</b>	The graduate is awarded the degree of "Bachelor of Natural Sciences in the educational program 6B05220-"Geography". organizational and managerial activity: pedagogical master, pedagogical moderator, pedagogical researcher;

	- research activities: junior researcher, laboratory engineer, employee of research institutions.
<b>Field of professional activity</b>	The sphere of professional activity is design and survey activity, participation in fundamental and applied scientific and geographical projects, participation in the work of nature conservation and environmental management bodies, ecological and geographical monitoring of the environment, provision of educational and tourist services in the education system; research and development.
<b>Objects of professional activity</b>	The objects of professional activity of graduates are design, survey, research institutes, bureaus, travel companies, nature protection and environmental management bodies of the Ministry of Environment, general education and vocational schools, etc.
<b>Subjects of professional activity</b>	Subjects of professional activity of the bachelor of OP are: geographic shell, its structure, functioning and development; natural, natural-anthropogenic, economic, and territorial-production systems at the global, regional, and local levels; thematic mapping of the natural environment, socio-economic processes and phenomena involving GIS-technologies.
<b>Types of professional activity</b>	<ul style="list-style-type: none"> <li>- research;</li> <li>- educational (pedagogical);</li> <li>- design and production;</li> <li>- environmental protection;</li> <li>- tourist and recreational.</li> </ul>
<b>Learning outcomes</b>	<p>LO1 Communicate freely in a professional environment and society in Kazakh, Russian and English with an understanding of the principles and culture of academic honesty.</p> <p>LO2 Demonstrate natural-scientific, socio-cultural, professional development based on the formation of ideological, civil, spiritual and social responsibility, methods of scientific and experimental research</p> <p>LO3 Possess information and computational literacy, the ability to generalize, analyze and perceive information, set a goal and choose ways to achieve it.</p> <p>LO4 Apply geoinformation technologies in the development of results and the transfer of material on the patterns of development of nature, the distribution of the population and farms, the dynamics and territorial features occurring in the geographical space.</p> <p>LO5 Solve research problems and determine the typology of landscapes and climatic conditions in various natural zones.</p> <p>RO6 Assess and solve problems of economic-geographical, social, political and complex development of territories of different levels.</p> <p>LO7 Apply regulations in the field of environmental protection and conservation of geosystems, ways of their restoration and rational measures for their rational use.</p> <p>LO8 To conduct independent scientific research and expert assessments on field research in the field of soil geography with the help of modern equipment.</p> <p>LO 9 Use various information resources, ready-made software and methodological complexes, computer and multimedia technologies, artificial intelligence, digital educational resources in professional activities.</p> <p>LO10 Use research, practical and learning skills necessary for self-education in the professional field.</p> <p>LO11 Work effectively as an individual and as a member of a team, defending one's point of view correctly, correcting one's actions and using various methods.</p>

### 3. COMPETENCIES OF A GRADUATE OF THE EP

<b>GENERAL COMPETENCIES (SOFTSKILLS). Behavioral skills and personal qualities</b>	
GC 1. Competence in managing one's literacy	GC1. The ability to express and understand concepts, thoughts, feelings, facts and opinions in the field of natural science in written and oral forms (listening, speaking, reading and writing), as well as interact linguistically and creatively in a variety of social and cultural contexts: during study, at work, at home and at leisure;
GC 2. Language competence	GC2. Ability to master basic communication skills in a foreign language - understanding, expressing and interpreting concepts, facts and opinions in the professional field, both verbally and in writing (listening, speaking, reading, writing) in the relevant range of social and cultural contexts, possession mediation and intercultural understanding skills;
GC 3. Mathematical competence and competence in the field of science	GC3. the ability to confidently and critically use modern information and digital technologies for work, leisure and communication, mastering the skills of using, recovering, evaluating, storing, producing, presenting and exchanging information through a computer, communicating and participating in collaborative networks using the Internet in the field of professional activity;
GC 4. Digital competence, technological literacy	GC4. the ability to own social and ethical values based on public opinion, traditions, customs, norms and to be guided by them in their professional activities; know the cultures of the peoples of Kazakhstan and to observe their traditions to observe the fundamentals of the legal system and legislation of Kazakhstan, including in the field of natural science; know the trends of social development of society; be able to adequately navigate in various social situations; be able to find compromises, relate your opinion with the opinion of the team; own business ethics, ethical and legal standards of conduct; strive for professional and personal growth; work in a team, correctly defend their point of view, propose new solutions; demonstrate tolerance towards other individuals; GC 4.2 The ability to use various types of information and communication technologies: artificial intelligence, Internet resources, cloud and mobile services for searching, storing, protecting and distributing information, including tools that ensure accessibility and support for inclusive education.
GC 5. Personal, social and educational competencies	GC 5. the ability to know and understand the goals and methods of state regulation of the economy, the role of the public sector in the economy; master the basics of economic knowledge; possess the skills of critical thinking, interpretation, creativity analysis, drawing conclusions, evaluation; manage projects to achieve professional goals, manage staff, demonstrate entrepreneurial skills. 5.4 The ability to successfully interact in a variety of socio-cultural contexts during study, at work, at home and at leisure, including in an inclusive environment. The ability to successfully interact in a variety of socio-cultural contexts during study, at work, at home and at leisure, including in an inclusive environment.
GC 6. Entrepreneurial competence	GC 6. ability to possess basic knowledge of geographical science, to be able to explain and apply basic concepts, laws, theories and processes, apply them in solving practical problems, making calculations, analyze results and draw conclusions, successfully carry

	<p>out research activities; know the basic concepts, terms and categories of geographical science; structure, age, relief genesis; the basic laws of the radiation and thermal regime of the atmosphere of the globe; the most important zonal-regional features of the fauna and flora of the world; basic concepts and theories of economic, social and political geography; geographical patterns of development and location of territorial socio-economic systems; know the laws of the formation of spatial economic structures and territorial forms of organization of social life at the local, regional, national and global levels; have the skills to acquire new knowledge necessary for professional daily activities and continuing education in the magistracy;</p>
GC 7. Cultural awareness and self-expression	GC 7. the ability to know and understand the traditions and culture of the peoples of Kazakhstan, is tolerant to the traditions and culture of other nations of the world, aware of the attitudes of tolerant behavior; not subject to prejudice, has high spiritual qualities, formed as an intelligent person.
<b>PROFESSIONAL COMPETENCIES (HARDSKILLS)</b>	
Theoretical knowledge and practical skills specific to this field	PC1 the ability to apply modern research methods in leading directions and preserve the cultural heritage; ability to design the results of scientific research: scientific reports, reviews, analytical notes and explanatory notes.
	PC2 owning the basics of using natural conditions and resources and in environmental management; ability to use in practice the foundations of current legislation, geographical principles of environmental protection activities and in the field of conservation of natural heritage; ability to organize the work of small groups of performers.
	PC3 ability to perform climatological analysis of meteorological data; the ability to assess the components of the water balance, to make the necessary hydrometric measurements; the ability to perform authoring thematic maps, navigate the modern cartographic funds and extract the necessary information from them; the ability to identify and analyze contemporary demographic, ethnic, and geopolitical problems; the ability to analyze the geographical specificity of local, regional and global problems of our time; the ability to assess the impact of relief on human activities and health; the ability to apply the acquired knowledge and skills, use laboratory equipment to solve practical, methodical and information retrieval tasks
	PC4 the ability to participate in the development of cultural and educational programs in the system of ensuring the ecological safety of the national economy and other spheres of human activity.
	PC5 The ability to carry out complex and sectoral geographical forecasting, solving geographical problems related to sustainable development; the ability to design standard measures for the socio-economic development of regions; be capable of designing tourist and recreational systems, developing tourist and sightseeing routes; the ability to use professionally profiled knowledge of information technology, modern computer networks, software products and artificial intelligence to solve problems in the field of experimental and applied geography, processing experimental results.

**3.1 MATRIX FOR CORRELATING LEARNING OUTCOMES IN THE EP AS A WHOLE WITH THE COMPETENCIES BEING DEVELOPED**

	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10	LO11
GC 1	+				+	+					
GC 2	+										
GC 3		+	+			+					
GC 4			+	+	+		+				
GC 5				+	+	+	+	+			
GC 6		+						+			
GC 7							+	+			
PC 1					+	+		+			
PC 2				+		+					
PC 3					+						
PC 4		+				+	+	+			
PC 5		+						+			

**4. MATRIX OF INFLUENCE OF MODULES AND DISCIPLINES ON THE FORMATION OF LEARNING OUTCOMES AND INFORMATION ON LABOR INTENSITY**

Module	Cycle	HS C/ EC	Component	Name of the discipline	Brief description of the discipline	Quantity loans	Formed RO (codes)													
							L01	L02	L03	L04	L05	L06	L07	L08	L09	L010	L011			
1	Social Sciences module	GE D	OC	History of Kazakhstan	<p>Purpose of the discipline: The formation of an objective idea of the history of Kazakhstan based on a deep understanding and scientific analysis of the main stages, patterns and originality of the historical development of Kazakhstan.</p> <p>Content: Ancient people and the formation of nomadic civilization. Turkic civilization and the great steppe. Kazakh Khanate. Kazakhstan in the era of modern times. Kazakhstan as part of the Soviet administrative-command system. Declaration of Independence of Kazakhstan. State system, socio-political development, foreign policy and international relations of the Republic of Kazakhstan. Methods and techniques of historical description for the analysis of the causes and consequences of events in the history of Kazakhstan.</p>	5		✓												
				Philosophy	<p>Purpose of the discipline: The formation of a holistic idea among students about philosophy as a special form of knowledge of the world, about its main sections, problems and methods of studying them in the context of future professional activity. And also the formation of philosophical reflection, introspection and moral self-regulation among students.</p> <p>Content: Emergence of a culture of thinking. Subject and method of philosophy. Fundamentals of philosophical understanding of the world: questions of consciousness, spirit and language. Being. Ontology and metaphysics. Cognition and creativity. Education, science, technology and technology. Human philosophy and the world of values. Ethics.</p>	5		✓												

					Philosophy of values. The subject of aesthetics as a field of philosophical knowledge. Philosophy of freedom. Philosophy of art. Society and culture. Philosophy of history. Philosophy of religion. "Mangilik El" and "Modernization of Public Consciousness" are a new Kazakhstan philosophy.													
2	Module of Socio-political Knowledge	GE D	OC	Sociology and Political Science	<p>Purpose of the discipline: The goal of forming knowledge about social and political activities, explaining social and political processes and phenomena.</p> <p>Content: Consideration of the system of socio-ethical values of the society. Ways to use social, political, cultural, psychological institutions, features of youth policy in the modernization of Kazakhstani society and solve conflict situations in society and professional environment based on them. To study the methods of analysis and interpretation of political institutions and processes, ideas about politics, power, state and civil society, to understand and use the methods and methods of sociological, comparative analysis, to understand the meaning and content of the political situation in the modern world. Analysis and classification of the main political institutions. <b>Socialization, identity, and deviant behavior: the role of an inclusive approach.</b></p>	4												
		GE D	OC	Culturology and psychology	<p>Purpose of the discipline: The formation of scientific knowledge of history, modern trends, current problems and methods for the development of culture and psychology, the skills of a systematic analysis of psychological phenomena.</p> <p>Contents: Morphology, language, semiotics, anatomy of culture. Culture of nomads, proto-Turks, Turks. Medieval culture of Central Asia. Kazakh culture at the turn of the XVIII - XIX centuries, XX century. Cultural policy of Kazakhstan. State Program "Cultural Heritage". National consciousness, motivation. Emotions, intellect. The will of man, the psychology of self-regulation. Individual typological features. Values, interests, norms are the spiritual basis. The meaning of life, professional self-determination, health. Communication of the individual and groups. Socio-psychological conflict. Models of</p>	4												

					behavior in conflict. Socio-psychological foundations and development of inclusive culture in modern society; Psychological characteristics and conditions of professional adaptation of people with disabilities; Psychological support and tolerance as a way of social integration of people with disabilities; Socio-psychological barriers to interaction of people with normal and impaired development in modern society.														
3	Socio-ethnic Development Module	GE D	HSC	Ecosystem and Law	<p>Purpose of the discipline: Formation of integrated knowledge in the field of economics, law, anti-corruption culture, ecology and life safety, entrepreneurship, scientific research methods.</p> <p>Content: Fundamentals of safe human-nature interaction, ecosystem and biosphere productivity. The entrepreneurial activity of society in conditions of limited resources, increasing the competitiveness of business and the national economy. Regulation of relations in the field of ecology and human life safety. Knowledge and compliance of Kazakhstan's law, obligations and guarantees of subjects, state regulation of public relations to ensure social progress. Application of scientific research methods. Legal foundations of artificial intelligence. Inclusion is a strategy of international legislation.</p>	5													
4	Communication Mobility Module	GE D	OC	Kazakh (Russian) language	<p>Purpose of the discipline: formation of students' intercultural and communicative competence in the process of foreign language education at a sufficient level A2 and a level of basic sufficiency B1. Student reaches B2 level of common European competence if the language level at the start is higher than B1 level of common European competence.</p> <p>Content: Levels A1, A2, B1, B2 are presented in the form of cognitive-linguocultural complexes, consisting of spheres, themes, sub-themes and typical situations of international standard's communication: social, social - cultural, educational and professional, modeled by forms: oral and written communication, written speech works, listening. Demonstration of language material's understanding in texts on educational program, knowledge of terminology and critical thinking development. Purpose of the discipline: formation of</p>	10													

				<p>communicative competence using the Kazakh (Russian) language in the socio-cultural, professional and public life, improvement of the ability to write academic texts.</p> <p>Content: Levels A1, A2, B1, B2-1, B2-2 (B2, C1 Russian language) are presented in the form of cognitive-linguocultural complexes, consisting of spheres, themes, sub-themes and typical situations of communication of the international standard: social, social - cultural, educational and professional, modeled by forms: oral and written communication, written speech works, listening. Demonstration of understanding of the language material in the texts on the educational program, knowledge of terminology and development of critical thinking.</p>															
		GE D	OC	Foreign language	<p>Purpose of the discipline: formation of students' intercultural and communicative competence in the process of foreign language education at a sufficient level A2 and a level of basic sufficiency B1. Student reaches B2 level of common European competence if the language level at the start is higher than B1 level of common European competence.</p> <p>Content: Levels A1, A2, B1, B2 are presented in the form of cognitive-linguocultural complexes, consisting of spheres, themes, sub-themes and typical situations of international standard' communication: social, social - cultural, educational and professional, modeled by forms: oral and written communication, written speech works, listening. Demonstration of language material' understanding in texts on educational program, knowledge of terminology and critical thinking development.</p>	10													
		GE D	CC	Physical Training	<p>Purpose of the discipline: the formation of social and personal competencies and the ability to purposefully use the means and methods of physical culture that ensure the preservation and strengthening of health in preparation for professional activity; to the persistent transfer of physical exertion, neuropsychic stresses and adverse factors in future work.</p> <p>Content: Implementation of physical culture and health and training</p>														

				programs. A complex of general development and special exercises. Sports (gymnastics, sports and outdoor games, athletics, etc.). Control and self-control during classes, insurance and self-insurance. Refereeing competitions, Means of professionally applied physical training. Modern health-improving systems: the breathing system according to A. Strelnikova, K. Buteyko, K. Dinaiki, joint gymnastics according to Bubnovsky.															
		BD	HSC	Professional Kazakh (Russian) language	Purpose of the discipline:to provide professionally oriented language training of a specialist who is able to competently construct communication in professionally significant situations and speak the language norms for special purposes. Content:Professional language and its components. Professional terminology as the main feature of scientific style. Scientific vocabulary and scientific constructions in educational-professional and scientific-professional spheres. Algorithm of work on the analysis and production of scientific texts on specialty. Producing scientific and professional texts. Basics of business communication and documentation within the framework of future professional activity.														
		BD	HSC	Professionally -Oriented foreign language	Purpose of the discipline:to read and translate texts related to the profession in English, establish communication on professional topics, understand and use language material in oral and written speech. Content:The place of the English language in the study of biology. Characteristics and levels of living organisms. The structure of the bacterium. Features of the simplest.Structure and diversity of animals. The plant world. The relationship between the environment and living organisms. The evolutionary development of life.														
		GE D	OC	Information and Communication	Purpose of the discipline: formation of the ability to critically evaluate and analyze processes, methods of searching, storing and processing information, methods of collecting and transmitting information through digital technologies. Development of new "digital" thinking,	5													

				Technology	acquisition of knowledge and skills in the use of modern information and communication technologies in various activities <b>Contents:</b> Introduction and architecture of computer systems. Software. Operating systems. Human-computer interaction. Database systems. Data analysis. Data management. Networks and Telecommunications. Cybersecurity. Internet technologies. Cloud and Mobile technologies. Multimedia technologies. Smart technology. E-technologies. Electronic business. Electronic government.													
Cycle of basic disciplines University component																		
6	Methodological foundations of teaching	BD	HSC	Climate change «Green Economy»	Purpose: Formation of students' understanding of the close relationship between economic activity and climate change, the introduction of a "green" economy. Contents: Climate change and its impact on natural and economic systems, regulatory documents on climate change. The history of the formation of the concept of sustainable development and green economy in Kazakhstan, the main directions of the Concept of the transition of the Republic of Kazakhstan to a green economy.	4							✓					
7	Toponymy and Physical Geography	BD	HSC	Geoecology and nature conservation	Purpose: formation of knowledge on the conservation and restoration of a favorable ecological state of natural and anthropogenic geosystems by studying the background of the environment, spatial ecology. Contents: Subject, goal and objectives, research methods and general structure of geoecology. Geoecology in the system of earth sciences. Theoretical and methodological foundations of geoecology. Human activity and the geosphere of the earth. Geoecological zoning of Kazakhstan. Regional environmental issues	5								✓				
Cycle of basic disciplines Selectable Component																		

8	Theoretical and methodological problems of geography	BD	HSC	Educational practice	Deepening general and special theoretical knowledge about topographic surveys of terrain, their content and methods of creating cartographic materials, the possibilities of using geodetic instruments to solve applied geographic problems, develop methodological and practical skills in field measurements and office processing of spatial information.	1	✓												✓
		BD	EC	Abai Studies	Purpose of the discipline:based on the creativity of A.Kunanbayev, the preservation of the «national code» and in the project «Kazakhstan» Content:Historical overview of the history of Kazakhstan and Kazakh literature of the XIX-XX centuries. Studies of Abai's legacy of the XX-XXI century. Chronology of Abai's creativity. Abai is a great poet, ethnographer, founder of Kazakh written literature. Abai is the compiler of the code of laws «The Position of Karamola», social significance of Abai is a thinker, religious scholar, philosopher. The role of Abai in education and science, the concept of a «Holistic person». «Words of Edification»by Abai, an epic novel by M.Aueyzoa«The Way of Abai» . K. Tokayev«Abai and Kazakhstan in the XXI century», role and significance.														✓
		BD	EC	Muhtar Studies	Purpose of the discipline:Formation of a historical, literary idea of M. Aueyzoa's work in the context of literary history, patriotism and cultural and spiritual position. Development of artistic thinking, skills of independent research activity. Content: The life and creative path of M. Aueyzoa Semipalatinsk, Tashkent, St. Petersburg periods. M. Aueyzoa's activity in the magazine «Sholpan», «Abai». M. Aueyzoa's journalism. An artistic review of the short stories "Korgansyzydyn kuni", "Kyr suretteri", "Okagan azamat", "Kokserek", the play Enlik-Kebek and the stories "Kili Zaman", "Karash-Karash" okigasy", the monograph "Abai Kunanbayev", the epic novel "Abai Zholy".														✓
		BD	EC	Basics of financial	The purpose of the discipline is to study personal and family financial resources, which are critical to achieving financial well-being. Contents of the discipline. Financial planning and consumer safety.														✓

			literacy	Basic methods and techniques for effective spending and saving money. Protecting and investing your own financial resources. The role and significance of personal finance, its capabilities for achieving financial stability. Filtering out a lot of dubious financial information. Incentives for independent management of responsibilities and optimal financial capabilities of the consumer. Making smart financial decisions when building a professional career.														
		BD	EC	<b>Fundamentals of artificial intelligence</b>	<b>Objective:</b> To develop competencies in the use of knowledge and practical application of artificial intelligence tools and methods, in alignment with the priorities of the AI-Sana program. <b>Contents:</b> Introduction to Artificial Intelligence (AI). Development of practical skills and abilities, including: using AI tools; working with large language models (LLMs); utilizing no-code AI platforms; employing generative AI tools; image recognition; natural language processing (NLP); and data visualization through AI. Understanding the application of AI in various fields and exploring its potential through the integration of AI-Sana program approaches.													✓
		BD	EC	Fundations of of Anticorruption Culture	Purpose of the discipline:formation of an anti-corruption worldview, strong moral foundations of a personality, civic position, stable skills of anti-corruption behavior. Content: Overcoming legal nihilism, formation of the basics of students legal culture in the field of anti-corruption legislation. Formation of a conscious perception/attitude towards corruption.Moral rejection of corrupt behaviour, corrupt morality and ethics.Development of skills necessary to fight corruption.Development of anti-corruption standards of conduct.Anticorruption propaganda, dissemination of lawfulness and respect for the law. Activities aimed at understanding the nature of corruption, awareness of social damage caused by its manifestation ability to defend one's position with arguments, seeking ways to overcome manifestation of corruption. <b>The use of AI in combating corruption.</b>													✓



				geographical research. Structure and organization of field geographical research. Field work. Office processing of field research. Processing of field materials.															
		BD	EC	Physical geography of Kazakhstan	<p>Purpose: To study the diversity of relief, orographic features and natural conditions of Kazakhstan, geographical patterns and features of their distribution.</p> <p>Contents: Physical and geographical position and borders of Kazakhstan. History of the study of the territory of Kazakhstan. Tectonic-geological structure, relief. Climate, climate-forming factors. Inland waters. Soil - vegetation and wildlife. Natural zones of Kazakhstan, patterns of distribution. Physical-geographical zoning. Ecological state, geoecological zoning. Characteristics of the physical and geographical features of individual regions.</p>														
		BD	EC	Ecological problems of physical geography	<p>Purpose: Formation of ideas about the theoretical and methodological foundations of environmental conditions, environmental problems and the structure of physical geography in the system of Earth sciences.</p> <p>Contents: Human activity and the Earth's geosphere. Acquaintance with the atmosphere, hydrosphere, lithosphere and biosphere, the main sources of pollution, ways to solve and restore, regional environmental problems and their main characteristics; nomenclature, environmental problems and general provisions in the republic.</p>														
		BD	EC	Economic and social geography of Kazakhstan	<p>Purpose: familiarization with the population, patterns of development and location of the economy of Kazakhstan and its individual economic regions, determining the role and place of Kazakhstan in the modern world.</p> <p>Contents: Economic and geographical position of Kazakhstan, natural conditions and resources, population and labor resources, sectoral composition of the economy and their characteristics, economic relations with the countries of the world, environmental problems of the republic, tourist and recreational resources, transport and logistics, the role of Kazakhstan in world cooperation, geopolitics of Kazakhstan, economic and geographical zoning of Kazakhstan.</p>														



			geography: “Physical geography”, “Economic, socio-political geography”, “Soil science”, “Geography of peoples”, etc. Modern topical problems of geographical science.															
BD	EC	Fundamentals of Academic Writing	The purpose of the discipline: Mastering the general rules and methods, skills of professional reading, academic writing and oral presentation, based on the technique of cognition and its individual techniques. Contents: Academic reading and writing skills, language and structure of scientific and professional texts. Taking notes, writing abstracts, abstracts, familiarization with the results of scientific analysis, reading scientific and professional texts. Increasing the vocabulary of students through language returns that are characteristic of the scientific and professional environment used in academic vocabulary. Development of skills for participation in scientific and professional discussions and presentation of professionally oriented projects. Independent work skills					✓										
BD	EC	Cartography with the basics of topography	The purpose of the discipline: Formation of cartographic methods of depicting natural objects and phenomena on general geographic and thematic maps, generalization, classification of maps and atlases. Content: Cartography and its components. General information about the geographical map and the globe. The shape and size of the Earth. Cartographic projections. The nomenclature of the map. Topographic maps and their use. Cartographic generalization. Thematic maps and geographical atlases, their types and features. Using maps. Cartographic geoinformation systems.. Cartography and artificial intelligence. Creation and use of maps and atlases using artificial intelligence.	5					✓									
BD	EC	Topography and orientation on the ground	The purpose of the discipline: the formation of systematic knowledge, skills and abilities in the field of mapping and orientation of the terrain and determine the location on a topographic map. Content: Classification of maps by content. Basic properties of a topographic map. Topographic map, terrain plan, diagrams. Contents						✓									

					of topographic maps. Symbols, features of the display of relief on topographic maps. Location orientation. Methods for measuring distances on the ground and on the map. Ground measurements and their scaling to create a map, area plan or tourist route.													
13	Theoretical and methodological problems of geography	BD	EC	Meteorology and climatology	<p>Purpose: To study the composition and structure of the atmosphere, the main regularities of physical processes in the atmosphere and the formation of the Earth's climate.</p> <p>Contents: Basic atmospheric processes. Radiation and heat balance of the Earth. Moisture cycle in the atmosphere. circulation in the atmosphere. Methods of meteorological observations. Climate and weather forecasting. Basic knowledge about the atmosphere and the physical and geographical processes occurring in it. The study of astronomical, geophysical and geographical factors.</p>	5						✓						
		BD	EC	Climate of the Earth	<p>Purpose: To form a holistic view of climatic processes in various regions of the Earth and their impact on atmospheric circulation.</p> <p>Contents: Weather in temperate and high latitudes. The structure of the atmosphere. The processes of evaporation and condensation of moisture. Dangerous meteorological phenomena and measures to combat them. Climate types. Climate features. Long-term regime of meteorological elements, their types. Ideas about climatic processes in various regions of the Earth and their atmospheric circulation.</p>						✓							
		BD	EC	Hydrology	<ul style="list-style-type: none"> <li>• The purpose of the discipline: The study of the physical foundations of hydrological phenomena and processes, patterns of formation of surface and groundwater.</li> <li>• Contents: Hydrosphere: structure and origin. Chemical and physical properties of natural waters. Methods and means of conducting hydrological studies of natural waters. The water cycle in nature and the water resources of the Earth. Geographic patterns of distribution of water bodies Hydrology of glaciers. Hydrology of underground waters. River hydrology. Hydrology of lakes. Hydrology of reservoirs. Hydrology of swamps. Hydrology of the seas and oceans. Fundamentals of hydrometry.</li> </ul>	4								✓				



				lithosphere. Patterns of their origin and development. Basic principles of tectonic zoning. Methods for compiling tectonic maps. The structure of the tectonosphere and the Earth as a whole. Tectonic movements and methods of their study. The main structural elements of the lithosphere. Principles of tectonic zoning and tectonic maps.														
		BD	EC	Soil geography	<p>Purpose: formation of ideas about the geographical distribution and formation of the soil cover, classification, chemical properties of the use of land resources in agricultural circulation.</p> <p>Contents: Identification of the factors that control the formation of soil types and their distribution in the soil cover. Ecological functions, composition, properties of soils. Soil classification, patterns of distribution and stages of evolutionary development. Acquaintance with the hierarchical relations of the factors that form the basis of the modern geographical zoning of the soil cover. Monitoring by methods of studying soil geography. The essence, object and tasks of forensic soil research.</p>													✓
14	Interdisciplinary approaches in modern research	BD	EC	Biogeography	<p>The purpose of the discipline Formation of knowledge about the diversity of flora and fauna, patterns of distribution of species, features of species and speciation.</p> <p>Contents: Two areas of biogeography: the geography of organisms and the general geography of the animal and plant world (microbocenosis, phytocenosis and geography of zoocenosis). biogeographic zones. Know the generalization and analysis of the geographical features of plants and animals; Large kingdoms of flora and fauna on land.</p>	6												✓
		BD	EC	Population geography	<p>The purpose of the discipline: Formation of knowledge about the processes of population resettlement and its reproduction in the world, labor resources, as well as demographic, religious composition, migration, linguistic features.</p> <p>Contents: Reproduction, migration and labor resources of the population, give an idea of the composition and structure, ethnic group of the peoples of the world, get acquainted with the trends of urbanization and features of migration, population settlement, assess</p>	5												✓

			the prospects for the spread of the population in the world															
BD	EC	Geography and society	<p>Purpose: formation of ideas about the role, significance, functions of geographical science in society.</p> <p>Contents: The main functions of geographical science in society, its specificity, the demand for social experience in a certain historical period. Modern processes of development of social, natural, technical, recreational, cultural, leisure, economic and political geographical areas. Specially protected natural areas, landscape features in territorial natural complexes. Objects of research and methods of application.</p>	5				✓										
BD	EC	Sacred geography of Kazakhstan	<p>Purpose: Formation of knowledge of the essence of especially revered monuments of natural and cultural heritage, which have enduring value in the memory of the Kazakh people and act as a symbol of national unity and rebirth.</p> <p>Contents: Ancestral sanctuaries, mounds and burial places. Objects of religious worship. Places of memorable battles and exploits. Places of life of great people. Unique monuments of natural and cultural heritage.</p>					✓										
BD	EC	Sacred geography of the Turkestan region	<p>Purpose: Formation of knowledge of sacred objects of the Turkestan region.</p> <p>Contents: "Sacred" mountains, caves, rivers, tracts. Ancient settlements. Places of unusual natural phenomena. Ancestral sanctuaries, mounds and burials. objects of religious worship, places of memorable battles and exploits, places of life of great people, mausoleums, temples and other monuments of natural cultural and historical heritage. Monuments of natural cultural and historical heritage.</p>	4								✓						
BD	EC	Toponymy	<p>Purpose: to familiarize students with the principles of the formation of toponyms, as well as their use in the process of education and research.</p> <p>Contents: Geographical terms and their formation. Subject, tasks, research methods. Sections of toponymy. Connection of Toponymy</p>										✓					

					with other disciplines Unification of toponyms by groups. Oronyms. Speleonyms. Hydronyms Glacionymy. Drymonyms. Horonyms. Nonsonyms. Oikonoms. Urbanonyms. Dromonyms.													
15	Sacred Geography and Society	BD	EC	Methods of recreational research	Purpose: Mastering and ability to apply the methods of recreational-geographical research, conduct tourist-recreational zoning of the territory. Contents: Basic concepts and terms. Cartographic method of research. Resource potential of recreational activities. Influence of recreational resources on the development of tourism. Features of recreational resources. Economic potential of recreation. Natural prerequisites for recreation. Recreational land use and its types. Recreational resources and their assessment. Fundamentals of recreational design.	4												✓
		BD	EC	Physical geography of continents and oceans	Purpose: To form ideas about the geographical position of continents and oceans, the stages of formation of natural complexes and their physical and geographical features. Contents: Physical and geographical position of the continents. History of discovery and exploration of continents and oceans, common features and characteristics of natural components. Formation of the main natural landscapes and regional patterns of nature that determine the characteristics of the continents. Parts of the globe. Eurasia, North America, South America, Africa, Australia and Antarctica An overview of the nature of the oceans. Geographic nomenclature								✓					
		BD	EC	Global geography	Purpose: familiarization with the geographical features and global problems of the world, its regions and major countries. Contents: Rational use of natural resources. Environment protection. Ways to solve environmental problems. Change in geographical, geopolitical and geo-economic position. Characteristics of the current stage of development of the economy and their consequences. Geography of branches of international specialization.	4							✓					
		BD	EC	Local History	Purpose: To study the basics of local history, to acquire the skills of studying one's own locality, to expand and systematize students' knowledge of their native land, its history and geography.									✓				

					Contents: The history of the formation of local lore science. The main stages in the development of local history in Kazakhstan. Forms of organization of local history activities in Kazakhstan. Educational and educational value of local history. Methods and techniques of local history research. The main sources of local history material. Natural geographic study of the native land.														
16	Toponymy and Physical Geography	BD	EC	Regional studies	Purpose: Formation of a holistic understanding of the trends, patterns and interrelationships of political and economic processes, globalization and regionalization in the modern world among students. Content: The idea of the region - as a complex, integral and socio-economic object of the respective state. Complex regional studies and its functions. Regionalization of international relations. Complex regional studies and its functions. Political geography and geopolitics. Cultural and historical regions of the world. European regionalism. CIS and regional cooperation in the post-Soviet space.	4													
		BD	EC	Geography of the modern world	Purpose: to form knowledge about the geographical aspects of the processes taking place in the modern world, to form the basis for assessing the current natural, social, political and economic situation from the point of view of geographical thinking. Contents: General information about the countries of the world. Sovereign development of states on the political map. Levels of socio-economic development. The idea of political, religious, social conditions in the modern world. Approaches to new trends and patterns of development in various countries of the world. Forms and value trends in the development of international economic relations.														
17	Module for acquiring new professional competencies	BD	EC	Ecological monitoring	Purpose: formation of knowledge about ecological monitoring and about the protection and efficient use of the environment. Contents: The structure of environmental monitoring. Objects of ecological monitoring. Classification of types of monitoring by objects, methods of tracking. Essence, specificity and properties of environmental monitoring. Modern methods and means of environmental monitoring.	12													





					factual material) by land use types, infrastructure density, traffic intensity. Evaluation of the attractiveness of landscapes along the route. Study of objects of historical and cultural heritage along the route. Sociological surveys in cities along the route of practice based on the skills obtained at the stationary stage.and graduation papers.													
21	Module of final certification	ChD	HSC	Pre-graduate practice	<p>The purpose of pre-diploma practice is to deepen and consolidate the theoretical knowledge acquired by a student at a university, practical control and analysis of the acquired knowledge, data processing, discussion and analysis of conclusions, the ability to reveal the relevance of the thesis, preparing students to defend the thesis before the State Attestation Commission.</p> <p>Own the method of scientific research in undergraduate practice and develop the skills of conducting experiments in independent work and solving problems; determination of the student's readiness for independent work in the conditions of modern production, science, technology, culture and professional competence; collection of educational and methodological materials necessary for the completion of the thesis; expanding the ability to work independently with literature, studying the materials of scientific research provided for in the academic year; implementation of work on completion of the thesis.</p>	5		✓	✓	✓								
22	Fundamentals of pedagogical skills	ChD	HSC	Geomorphology	<p>Purpose: Knowledge of the processes of relief formation, relief forms and their influence on natural processes, its origin, evolution, dynamics.</p> <p>Contents: Features of the Earth's relief. Exogenous and endogenous factors. Relief formation processes. Landforms and their influence on natural processes. Origins, evolution, dynamics. Cameral and field methods and ways of studying the relief of the Earth's surface.</p>	5										✓		
		ChD	HSC	Modern exogenous processes	<p>Purpose: to study modern concepts of the morphology of the earth's surface relief, to practically apply this knowledge in the preparation of geomorphological maps, geological and geomorphological sections, morphographic analysis and restoration of the stages of</p>											✓		

					relief formation. Contents: The main landforms of the Earth. Geological and geomorphological processes. fluvial relief. Structure and content of exogenous and endogenous processes of relief formation.													
23	Methodological foundations of teaching	ChD	HSC	Modern problems of geographical science	Purpose: formation of knowledge about the main problems facing physical, socio-economic and political geography. Contents: Main geographical scientific schools. Modern directions of geographical research. Basic levels of scientific knowledge, possible ways of solving geographical problems. Definition of the subject and methodological area of geographical science, New current problems and directions for the development of the system of geographical sciences. Essence of geographical problems.	4												✓
		ChD	HSC	New concepts for the development of geographical science	Purpose: Formation of theoretical foundations and basic ideas of physical, economic and social geography about territorial interactions. Contents: Spatial structures of the population, nature management and economy. Geographical (territorial) division of labor at the global level. Methodology of research activity. Territorial planning, forecasting and liquidation of consequences of natural disasters.	4												✓
24	Toponymy and Physical Geography	ChD	HSC	Landscape science	Purpose: To study the formation of natural and cultural landscapes, their structure, relationships, location and patterns of development. Contents: The history of the formation of landscape science. Regional and local differentiation of landscapes. Landscape components and landscape-forming factors. landscape morphology. Geosystems of the local level. Dynamics and development of the landscape. Functional and dynamic properties of natural landscapes. Landscape geochemistry and geophysics. Classification and systematics of landscapes. Landscape research methods.	6							✓					
		ChD	HSC	Landscapes of	Purpose: To study the features of the location and structure of natural landscapes and landscape zoning of the territory of Kazakhstan.								✓					

				Kazakhstan	Contents: Structure of natural-regional complexes, features, dynamics and evolution of natural-territorial complexes, stability of natural and natural-anthropogenic landscapes. Classification and systematics of landscapes of Kazakhstan. Landscapes of flat regions of Kazakhstan, landscapes of mountainous regions. Landscape regions of Kazakhstan. Landscape map of Kazakhstan. Landscapes in the context of environmental change.													
25	Fundamentals of geographical education in the global context	ChD	HSC	Reserve business	Purpose: formation of ideas about the main types of specially protected natural areas and the features of their mode of operation. Contents: Features of the organization of nature reserves in the world. National parks, nature reserves. State natural reserves, natural monuments. Features of the mode of operation. Organization of mass and ecological-educational tourism.	4		✓										
		ChD	HSC	Environment al problems of the Republic of Kazakhstan	Purpose: formation of knowledge about the environmental and environmental legislation of the Republic of Kazakhstan for solving environmental and environmental issues. Contents: Problems of ecology and environmental protection in Kazakhstan. Problems of climate change in the Republic of Kazakhstan at the present time. Atmospheric pollutants, radiation environment. General patterns and protective measures against forest damage. Measures for the effective protection of types of natural resources. Demographic situation and the concept of sustainable development of Kazakhstan			✓										
		ChD	HSC	Economic, social and political geography of the world	Purpose: To study the principles, features, factors and general conditions for the location of economic sectors in the world and in certain regions, countries. Contents: Object, subject, structure, basic teachings and theories, methods, modern problems of economic, social and political geography of the world. Economic and geographical position, natural conditions and resources, population and labor resources, sectoral composition of the economy and their characteristics, economic relations with countries of the world.	4							✓					



			of Kazakhstan	society. Contents: Historical formation of the concept of sustainable development. The concept of Kazakhstan's transition to sustainable development. Geographical foundations of sustainable development. Analysis and monitoring. Demographic crisis and sustainable development. Regional aspects of sustainable development.														
		ChD	HSC	Geography of industry in Kazakhstan	Purpose: To study the characteristic features of the industry of Kazakhstan, corresponding to the current level of development. Contents: Leading industries of the Republic of Kazakhstan. Coal industry. Metallurgy. Fuel and petrochemical industry. Light industry. Production of building materials. development of heavy industry. Natural resource potential. Geographic features of the extraction of various types of minerals.	4							✓					
		ChD	HSC	World tourism geography	Purpose: Formation of a holistic view of the world picture of international tourism, its development in individual countries and regions. Contents: Formation and development of world tourism. Economic content and role of tourism in the modern world. Basic concepts of space organization in the geography of tourism, tourist and recreational, sightseeing tourism. The main tourist destinations in the SNG countries, the current state, the role of tourist areas in Kazakhstan, the development of tourism. Topical issues of tourism development.							✓						
		ChD	HSC	The geography of tourism in Kazakhstan	Purpose: Formation of knowledge about recreational resources, types of tourism, infrastructure, organization, planning and current trends in the development of tourism in Kazakhstan. Contents: Objects of study of the geography of tourism in Kazakhstan, classification of tourism, development directions, history, overview of types of tourism. Formation of types of tourism. Infrastructure of tourist and recreational areas with features. Economic significance of aspects of tourism development. Organization and planning of religious, historical, cultural, natural,	4						✓						

				ecological tourism in Kazakhstan.															
		ChD	HSC	Political geography with the basics of geopolitics	<p>Purpose: Formation of knowledge about the world political map, about the peculiarities of interaction of various states in the world political arena, about possible and existing conflicts, as well as possible ways to solve them.</p> <p>Contents: The place of political geography in the system of sciences. Features of the methods used in research in the field of political geography. The subject of political geography. An object of political geography. Geopolitics and its specific features. Actual problems of the modern political map of the world.</p>														
		ChD	HSC	Geography of the service sector	<p>Purpose: Formation of students' theoretical knowledge about the service sector, territorial features of its development and geographical approaches to study.</p> <p>Contents: Introduction. Indicators characterizing the development of the service sector. Service infrastructure. Criteria and indicators of the effectiveness of the territorial organization of public services. Methodology for assessing the effectiveness of the territorial organization of public services. World trade in services. Geography of culture and art. Geography of communication services. Geography of tourist services. Geography of domestic and communal services.</p>	6													
26	Module of final certification	ChD	HSC	Writing and defending a thesis (project) or preparing and passing a comprehensive exam	<p>Purpose: Formation of an idea about the general provisions for the design and defense of theses, preparation for the final certification exams.</p> <p>Contents: General provisions of the thesis. Selection and approval of the topic of the thesis. Scientific guidance in the preparation of the thesis. The procedure for the formation of the content (plan) of the thesis, the selection and study of information sources, the collection and processing of practice material. Basic requirements for the content and design of the thesis. Thesis defense, general provisions of the final certification, area of professional activity.</p>	12		✓	✓	✓									



**5. SUMMARY TABLE REFLECTING THE VOLUME OF CREDITS MASTERED BY MODULES OF THE EDUCATIONAL PROGRAM**

Course of training	Semester	Amount of the mastered modules	Amount of the studied disciplines			Amount of KZ credits					Total in hours	Total KZ credits	Amount	
			Compulsory component	University component	Optional component	Theoretical training	Physical education	Training practice	Production practice	Final attestation			Exam	Theoretical training
1	1	5	4		2	31	2				930	31	5	2
	2	5	4	2	2	30	2	1	1		900	30	6	2
2	3	5	3	2	2	30	2				900	30	7	1
	4	5	3	4	2	30	2	1	1		930	30	4	2
3	5	5		1	6	30		4			900	30	7	1
	6	4		3		31		1			990	31	6	1
4	7	1		2		9		4	5		270	9		1
	8	4			7	32					930	32	3	
	9	1		1		17			5	12	510	17		
<b>total</b>						240	8	7	16	12	7320	240	41	9

## 6. STRATEGIES, TEACHING METHODS AND ARTIFICIAL INTELLIGENCE, MONITORING AND ASSESSMENT

<b>Learning strategies</b>	<p>Student-centered learning: The student is the center of teaching/learning and an active participant in the learning and decision-making process.</p> <p>Practice-oriented training: orientation to the development of practical skills.</p>
<b>Teaching methods</b>	<p>Conducting lectures, seminars, various types of practices with:</p> <ul style="list-style-type: none"> <li>• the use of innovative technologies;</li> <li>• problem-based learning;</li> <li>• case study;</li> <li>• work in a group and creative groups;</li> <li>• discussions and dialogues, intellectual games, olympiads, quizzes;</li> <li>• reflection methods, projects, benchmarking;</li> <li>• Bloom's taxonomies;</li> <li>• presentations;</li> <li>• * rational and creative use of information sources:</li> <li>• * multimedia training programs;</li> <li>• * electronic textbooks;</li> <li>• * digital resources.</li> <li>• * machine learning methods</li> </ul> <p>Organization of independent work of students, individual consultations.</p>
<b>Monitoring and evaluation of the achievability of learning outcomes</b>	<p>Current control on each topic of the discipline, control of knowledge in classroom and extracurricular classes (according to syllabus). Assessment forms:</p> <ul style="list-style-type: none"> <li>• survey in the classroom;</li> <li>• testing on the topics of the academic discipline;</li> <li>• control works;</li> <li>• protection of independent creative works;</li> <li>• discussions;</li> <li>• trainings;</li> <li>• colloquiums;</li> <li>• essays, etc.</li> </ul> <p>Boundary control at least twice during one academic period within the framework of one academic discipline.</p> <p>Intermediate certification is carried out in accordance with the working curriculum, academic calendar.</p> <p>Forms of conducting:</p> <ul style="list-style-type: none"> <li>• exam in the form of testing;</li> <li>• oral examination;</li> <li>• written exam;</li> <li>• combined exam;</li> <li>• project defense;</li> <li>• protection of practice reports.</li> </ul> <p>Final state certification.</p>

## 7. EDUCATIONAL AND RESOURCE SUPPORT FOR EP

<p><b>Information Resource Center</b></p>	<p>The structure of the Educational Information Center includes 6 subscriptions, 16 reading rooms, 2 electronic resource centers (ERC). The basis of the network infrastructure of the Educational Information Center is 180 computer workstations with Internet access, 110 workstations, 6 interactive white boards, 2 video doubles, 1 video conferencing system, 3 A4 format scanners, JIC software - AIBS "IRBIS-64" under MS Windows (basic set of 6 modules), stand-alone server for uninterrupted operation in the IRBIS system.</p> <p>The library funds reflected in the electronic catalog available to users on the site <a href="http://lib.ukgu.kz">http://lib.ukgu.kz</a> on-line 24 hours 7 days a week.</p> <p>The main data base of its own generation: «Almamater», «Proceedings of SKSU scientists», «Electronic archive» have been created. Online access from any device 24/7 via the external link <a href="http://articles.ukgu.kz/ru/pps">http://articles.ukgu.kz/ru/pps</a>.</p> <p>Catalogs are processed electronically. EC consists of 9 data bases: «Books», «Articles», «Periodicals», «Proceeding software of SKSU», «Rare Books», «Electronic Fund», «SKGU in Print», «Readers» and «SKU».</p> <p>The EIC provides its users with 3 options for accessing its own electronic information resources: from the «Electronic Catalog» terminal in the catalog hall and in the EIC subdivisions; through the information network of the university for faculty and departments; remotely on the library website <a href="http://lib.ukgu.kz/">http://lib.ukgu.kz/</a>.</p> <p>Open access to international and republican resources: «Springer Link», «Polpred», «Web of Science», «EBSCO», «Epigraph», to electronic versions of scientific journals in the public domain, "Zan", "RMEB", "Adebiet", Digital library "Aknurpress", "Smart-kitar", "Kitar.kz", etc.</p> <p>For people with special needs and disabilities, the library website has been adapted to the work of visually impaired users.</p>
<p><b>Material and technical base</b></p>	<p>The department has the following classrooms with a total area of 274 m<sup>2</sup>:</p> <p>The office of the head of the department-331 (building No. 7, Baitursynov St.).</p> <p>Teachers' office-306 (building No. 7, Baitursynova str.).</p> <p>Computer class - 333, 335 (building No. 7, Baitursynova str.).</p> <p>Classrooms - 332, 333 (building No. 7, Baitursynova str.).</p> <p>The department is equipped with the following equipment: computers (Core 2 Quad, Intel Core 2 Duo), printer, scanner, local system, etc. There are 13 computers in two computer classes of the department, 3-in-1 MFPs (copier, printer, scanner). In the computer room (335, 333), computers are connected to a network system.</p> <p>The department has an educational, scientific and production complex (UNPC) on the basis of the municipal state institution (KSU) "Historical and Cultural Complex of Shymkent" of the Department of Culture, Development of Languages and Archives of the city of Shymkent, the State Committee of the Turkestan Regional Museum of Local Lore of the Department of Culture of the Turkestan region.</p>