

ҚАЗАҚ ИННОВАЦИЯЛЫҚ ГУМАНИТАРЛЫҚ-ЗАҢ УНИВЕРСИТЕТІ  
КАЗАХСКИЙ ГУМАНИТАРНО-ЮРИДИЧЕСКИЙ ИННОВАЦИОННЫЙ УНИВЕРСИТЕТ  
Kazakh Humanitarian-Juridical Innovative University  
Гуманитарлық факультет  
Гуманитарный факультет  
Faculty of Humanitarian  
Кафедра истории и география  
Тарих және география кафедрасы  
Department of History and Geography

5B011600 «География» мамандығы  
5B011600 специальность «География»  
Speciality 5B011600 «Geography»

**ЭЛЕКТИВТІ ПӘНДЕР КАТАЛОГЫ**  
**КАТАЛОГ ЭЛЕКТИВНЫХ ДИСЦИПЛИН**  
**CATALOGUE OF ELECTIVE COURSES**

түскен жылы – 2018  
год поступления - 2018  
Year revenue - 2018

Семей, 2018  
Semey 2018

The awarded Degree:  
bachelor of Humanities majoring in 5B011600 «Geography

Elective course №	The name of subject	Кол-во кредитов		Pre requisites	Post requisites	Short description of the content, the aims of education, expected results
		RK	ECTS			
General educational disciplines						
Elective courses (EC)						
1	Self-knowledge	2	3	Disciplines public school	Methods of teaching geography, Production pedagogical practice	<p><b>Content:</b> To contribute to the moral and spiritual education, the establishment of harmonious human development through the following core competencies: to determine their position in life; constructively to solve various issues, respectively moral norms; build a positive attitude towards themselves, the people and the world around them; to give all possible help to the people to take care of loved ones; to live in harmony with oneself; be sincere in his thoughts, words and actions; It is a creative activity, citizenship, patriotism and tolerance</p> <p><b>Target:</b> The development needs of students in self-knowledge and creative self-realization, assistance in the formation of a harmonious picture of the world, understanding the essence of human values, the formation of experience of moral behavior in educational and life situations.</p> <p><b>Expected results:</b></p> <p><b>Know:</b> To live in harmony with oneself; be honest in thought, word and action, to show creative activity, citizenship, patriotism and tolerance;</p> <p><b>Have the skills:</b> be willing to moral choice and responsibility for their thoughts, words and actions; to develop practical skills of public service</p>
1	Culturology	2	3	The basis of history for secondary schools	Religious studies	<p><b>Purpose:</b> considers culturology as a complex of disciplines that study culture. The defining moment here is the goal of studying culture and its historical development and social functioning, and the result is a system of knowledge about culture.</p> <p><b>Contents:</b>Culturology is the science</p>

						<p>of culture. The subject of cultural studies are objective laws of universal and national cultural processes, monuments, phenomena and events of the material and spiritual life of people.</p> <p>Culturology studies the prerequisites and factors under the influence of which, the cultural interests and needs of people are formed and developed, and they explore their participation in the creation, multiplication, preservation and transfer of cultural values.</p> <p>Culturology studies cultural life in various societies, seeking to highlight the features and achievements of the main cultural and historical types.</p> <p><b>Expected results (knowledge, skills, competences):</b> - represents culturology as consisting of disciplines sections that somehow study culture. For example, cultural studies as a philosophy of culture pretend to understand it in general, in general. There is a reverse position, according to which cultural science is a division of the philosophy of culture, studying the diversity of cultures (typology, sysematization of knowledge about culture without taking into account the factor of cultural identity). In this case, it is possible to identify with cultural and cultural studies, the sociology of culture, as well as the isolation of the folkloric cultural studies as a science about the meanings and meanings taken in their totality with respect to a certain region or a period of time.</p> <p>The approach reveals the desire to view cultural studies as an independent scientific discipline. This suggests the definition of the subject and method of research, the place of cultural studies in the system of social and humanitarian knowledge.</p>
2	Fundamentals of Anti-Corruption Culture	2	3	Disciplines public school	FSA	<p><b>Content:</b> to develop legal culture, enhance anti-corruption; Armed with the knowledge, skills and abilities to combat corruption; develop the skills and ability of critical analysis of corruption phenomena.</p> <p><b>Target:</b> To know: the nature of corruption and the causes of its</p>

						<p>origin; a measure of a moral and legal responsibility for the offense koorupsionnye; the current legislation in the field of combating corruption. to realize the value of a moral conscience and to follow ethical standards in daily practice; <b>Expected results:</b> <b>Know:</b> work to improve the level of moral and legal culture; use spiritual and moral korruptsii. <b>Have the skills:</b> analiza mechanisms to prevent conflict of interest and a moral choice;</p>
2	Politologiya	2	3	-	State exam in the specialty	<p><b>The purpose of discipline:</b> Democracy is one of the main forms of political self-organization of society <b>Course Description:</b> Currently, there are several theories of democracy, the main of which are pluralistic , participative (or participatory democracy, a market, a plebiscite, consociational, personable, popular, socialist <b>Expected result:</b> -to show and to highlight the set of institutions and organizations, the structure and operation of which is based on the liberal- democratic worldview and values postulates , norms , attitudes , is the political system of democracy.</p>
2	Sociologiya	2	3	-	State exam in the specialty	<p><b>Purpose:</b> to give an idea of sociology, the object, the definition of the subject. Discussion of the features of social education in comparison with other types of humanitarian education. <b>Content:</b> the science of the formation, functioning and development of society. Sociology teaches about the facts, processes, relationships, activities of individuals, societies, their roles, status and sociology, their institutions. You must know. Society is a single social system. This conclusion in his own study explores the system of social relations and their content. 2. The development of individual sectors of society, the concept of the functioning of activities - economic, political, spiritual, etc., their areas of</p>

						<p>knowledge, the possibility of social integration in each area of an individual or social group.</p> <p>It is important to know:</p> <p>To form knowledge about the social structure of society or social structure, it is necessary to know about the role and place of social groups in economic, social, political and spiritual relations. Social groups say that we have large groups, small groups, professional groups, demographic and ethnic groups.</p>
3	Religious	3	5	The modern history of Kazakhstan, Philosophy	All disciplines to create human	<p><b>Content:</b> To know the field of research, which are the subject of all of the past and now existing religion</p> <p><b>Target:</b> Oznozkomenie with a list of activities and religious movements and sects prohibited by the laws of RK. Identification and prevention methods of confrontation involvements in your not cooperate for the traditional Eastern, Islamic and Christian religious movements.</p> <p><b>Expected results:</b> Formation of <b>knowledge</b> of the system of anti-corruption and development on this basis of citizenship with respect to this phenomenon.</p> <p>provide comprehensive</p> <p><b>Have the skills:</b> about the nature and factors of corruption and its various forms;</p>

Elective course №	The name of subject	Кол-во кредитов		Pre requisites	Post requisites	Short description of the content, the aims of education, expected results
		PK	ECTS			
Basic disciplines						
Elective courses (EC)						
1	Introduction to the pedagogical profession	2	3	Self-knowledge (on the school program)	Pedagogics, Theory and methodology of educator work	<b>Content:</b> features of education and his role in modern sociocultural terms; system of formation of Republic of Kazakhstan; personality of future teacher and her problems are in modern society; непрерывное education as condition of development of personality; general

					<p>description of pedagogical profession; pedagogical activity of teacher and his personalities; system of pedagogical education; самообразовательная деятельность as a condition of continuous education of teacher.</p> <p><b>Target:</b> forming of professionally-pedagogical orientation on future pedagogical activity, on a capture by theoretical and practical bases of future profession, realization of her high social meaningfulness.</p> <p><b>Expected results:</b></p> <p><b>Knowledge:</b> about the social setting of teacher in modern society; about social sense and maintenance of their future speciality; about the object of activity of future teacher; about the necessity of continuous education for the successful vital functions of teacher; about the system of formation of Republic of Kazakhstan and system of pedagogical education; about essence of компетентного approach in pedagogical science and practice; about the factors of the continuous professionally-personality becoming of teacher.</p> <p><b>Have the skills:</b> to carry out pedagogical communication in a pedagogical process; to own to культурной speech; to own bases of self-education and self-education</p>
1	Psychology adaptation of teacher in educational organization	2	3	Self-knowledge (on the school program)	<p>Psychology, pedagogics</p> <p><b>Content:</b> Conceptual bases of successful adaptation of young teachers on the modern stage of development of education; Psychological bases of adaptation in to the system of education; Variants technologies and techniques of work on adaptation young specialists.</p> <p><b>Target:</b> optimal accordance of teacher and educational organization during realization of pedagogical activity.</p> <p><b>Expected results:</b></p> <p><b>Knowledge:</b> to know about the process of adaptation beginning teachers to professional activity, oh possible problems arising up in the situation of adaptation and methods of their decision;</p> <p><b>Have the skills:</b> - able to plan activity of administrative link of educational establishment on</p>

						organization of successful adaptation of young specialists of school.
2	Meteorology with climatology bases	3	5	Geografiyach eskie knowledge gained in secondary schools	General land study, Geomorphology, Geology	<p><b>Content:</b> The disciplines studies the process which occur in atmosphere; structure and chemical mixture of atmosphere;</p> <p><b>Target:</b> To study the meteorological features and climate processes</p> <p><b>Expected results:</b></p> <p><b>Know:</b> Skills of using technology and device for weather discovering, weather forecast based on the results.</p> <p><b>Have the skills:</b> formation and structure of clouds, appearance of the fog, moving and circulation of the air</p>
2	The system of meteorological stations in Kazakhstan	3	5	Geografiyach eskie knowledge gained in secondary schools	The general physical geography, Landscape indication, Environment protection	<p><b>Content:</b> The discipline teaches the climatic phenomenon and gives the weather forecast on the territory of Kazakhstan with the help of meteorological stations</p> <p><b>Target:</b> To make acquaintance with the work of meteorological stations in Kazakhstan</p> <p><b>Expected results:</b></p> <p><b>Know:</b> Studying the work of meteorological stations</p> <p><b>Have the skills:</b> formation and structure of clouds, appearance of the fog, moving and circulation of the air</p>
3	General hydrology	3	5	Geografiyach eskie knowledge gained in secondary schools	General land study, Geology Physical geography of Kazakhstan, Landscape	<p><b>Content:</b> Give the notion about the common regularity of hydrological processes on the Earth, the role and the meaning of the natural water (rivers, lakes, seas, oceans, glaciers, bogs) in the geographical cover.</p> <p><b>Target:</b> To determine the water resources and their hydrological order</p> <p><b>Expected results:</b></p> <p><b>Knowing</b> of the physical and chemical features of inner and external water and their importance for mankind</p> <p><b>Have the skills:</b> the role and the meaning of the natural water (rivers, lakes, seas, oceans, glaciers, bogs) in the geographical cover.</p>
3	Modern problem of the physical geography	3	5	Geografiyach eskie knowledge	The general physical geography,	<p><b>Content:</b> Students distinguish theoretical bases of physical geography (landscape), nature protection, nature management and their modern problems</p> <p><b>Target</b> To determine the nature changes as a result of anthropogenic processes and the problems of their prevention</p> <p><b>Expected results:</b></p> <p><b>Knowing</b> The knowledge of</p>

				gained in secondary schools	Environment protection	influence and results of the human activity on nature <b>Have the skills:</b> the role and nature protection, nature management and their modern problems
4	General hydrology	2-I	3	Geografiyach eskie knowledge gained in secondary schools	General land study, Geology Physical geography of Kazakhstan, Landscape	<b>Content:</b> Give the notion about the common regularity of hydrological processes on the Earth, the role and the meaning of the natural water (rivers, lakes, seas, oceans, glaciers, bogs) in the geographical cover. <b>Target:</b> To determine the water resources and their hydrological order <b>Expected results:</b> <b>Knowing</b> of the physical and chemical features of inner and external water and their importance for mankind <b>Have the skills:</b> the role and the meaning of the natural water (rivers, lakes, seas, oceans, glaciers, bogs) in the geographical cover.
4	Modern problem of the physical geography	2-I	3	Geografiyach eskie knowledge gained in secondary schools	The general physical geography, Environment protection	<b>Content:</b> Students distinguish theoretical bases of physical geography (landscape), nature protection, nature management and their modern problems <b>Target</b> To determine the nature changes as a result of anthropogenic processes and the problems of their prevention <b>Expected results:</b> <b>Knowing</b> The knowledge of influence and results of the human activity on nature <b>Have the skills:</b> the role and nature protection, nature management and their modern problems
5	Geology	3	5	Geology, General Hydrology, Meteorology with the basics of climatology	Aridization, Geography of soils, Physical Geography of Kazakhstan	<b>Content:</b> The Earth as a space body. The physical measures of the Earth: form, size, weight, consistence. Ecosphere of the Earth and the inner construction - the earth's crust, mantle, nuclear. Characteristics of the physical and chemic features of the Earth's covers. The types of the Earth's crust: continental, oceanic. Structural elements of the Earth's crust in different rows. <b>Target:</b> Explanation of the Earth appearance as a planet <b>Expected results:</b> <b>Knowing</b> Can to determine the appearance and development of the Earth as a planet <b>Have the skills:</b> physical and chemical processes on the Earth

5	Paleography	3	5	Geografiyach eskie knowledge gained in secondary schools, The general physical geography	Landscape indication, Environment protection, Earth resource management	<p><b>Content:</b> The main contest is the study of flora and fauna the previous epoch. The study of physical conditions in previous geological life. Regularities of different group of flora and fauna development, their kind changes and extinction</p> <p><b>Target:</b> To know the geological history of the Earth planet</p> <p><b>Expected results:</b></p> <p><b>Knowing</b> The knowledge of endogenous and exogenous processes from the birth of the Earth planet</p> <p><b>Have the skills:</b> physical and chemical processes on the Earth</p>
6	Geology	2-I	3	Geology, General Hydrology, Meteorology with the basics of climatology	Aridization, Geography of soils, Physical Geography of Kazakhstan	<p><b>Content:</b> The Earth as a space body. The physical measures of the Earth: form, size, weight, consistence. Ecosphere of the Earth and the inner construction - the earth's crust, mantle, nuclear. Characteristics of the physical and chemic features of the Earth's covers. The types of the Earth's crust: continental, oceanic. Structural elements of the Earth's crust in different rows.</p> <p><b>Target:</b> Explanation of the Earth appearance as a planet</p> <p><b>Expected results:</b></p> <p><b>Knowing</b> Can to determine the appearance and development of the Earth as a planet</p> <p><b>Have the skills:</b> physical and chemical processes on the Earth</p>
6	Paleography	2-I	3	Geografiyach eskie knowledge gained in secondary schools, The general physical geography	Landscape indication, Environment protection, Earth resource management	<p><b>Content:</b> The main contest is the study of flora and fauna the previous epoch. The study of physical conditions in previous geological life. Regularities of different group of flora and fauna development, their kind changes and extinction</p> <p><b>Target:</b> To know the geological history of the Earth planet</p> <p><b>Expected results:</b></p> <p><b>Knowing</b> The knowledge of endogenous and exogenous processes from the birth of the Earth planet</p> <p><b>Have the skills:</b> physical and chemical processes on the Earth</p>
7	Geomorpholog	3	5	Meteorology with the basics of climatology, General hydrology	Geomorphol ogy, Geomorphol ogy of arid territories of Kazakhstan, Geography of soils	<p><b>Content:</b> Structure, appearance and the development of relief of landscape; modern exogenous process; anthropological factors changed the relief;</p> <p><b>Target:</b> To study the endogenous and exogenous processes on the Earth's cover</p>

						<b>Expected results:</b> <b>Know:</b> To determine the geological structure of relief <b>Have the skills:</b> analysis of the basic stages of mountain building; the influence of exogenous and endogenous factors
7	Environment protection	3	5	Geografiyach eskie knowledge gained in secondary schools, The general physical geography	Landscape indication, Nature protection of Kazakhstan, Physical geography of UIS	<b>Content:</b> The system of state and common measures on improvement of natural environment, the effective use of natural resources, saving and improvement of natural wealth <b>Target:</b> To determine the measures on the Earth's surface reconstruction, which were disturbed in a result of anthropogenic processes <b>Expected results:</b> <b>Know:</b> The knowledge of international program activities on the environment protection <b>Have the skills:</b> analysis of the basic stages of mountain building; the influence of exogenous and endogenous factors
8	Geomorphology of the arid territory in Kazakhstan	3	5	Geology, General Hydrology, Meteorology with the basics of climatology	Aridization, Geography of soils, Physical Geography of Kazakhstan	<b>Content:</b> The morphology of the arid and semiarid regions. Processes which flow in deserts, their reflection in relief. Indications of landaridization in semiarid zone of Kazakhstan. <b>Target:</b> To study the differences and features of relief of the arid territory in Kazakhstan <b>Expected results: Knowledge</b> about the influence of process of desertification on natural and anthropogenic processes, the way of strife with desertification. <b>Have the skills:</b> Types of deserts. The forms of sand accumulation in deserts. About genesis and sand relief development.
8	Earth resource management	3	5	Geografiyach eskie knowledge gained in secondary schools, The general physical geography	Landscape indication, Soil geoecology, Nature protection of Kazakhstan	<b>Content:</b> The course-effect relation of soil degradation and ways of their protection. The study of soil saving arrangement in Kazakhstan. The scientific saving bases and reconstruction of soil. Methodological bases of soil protection <b>Target:</b> To examine the saving problems for following generation of natural wealth on the Earth's surface and interior <b>Expected results: Knowledge</b> To know the using of the land resources in Kazakhstan

						<b>Have the skills:</b> The forms of sand accumulation in deserts. About genesis and sand relief development.
9	Geography of population	3	5	Geografiyach eskie knowledge gained in secondary schools	Political, economic and social geography of the world, Economic and social geography of Kazakhstan	<p><b>Content:</b> The formation stages of local settlement. Types of rural settlements by population. Factors of agricultural separateness. Problems of rural settlements in transitional period and their perspectives.</p> <p><b>Target:</b> To study the ethnic structure of the universal national demography</p> <p><b>Expected results:</b> Students must <b>know</b> the nature safety, excursion resources and types of tourism.</p> <p><b>Have the skills:</b> The formation stages of local settlement. Types of rural settlements by population.</p>
9	Country study	3	5	Geografiyach eskie knowledge gained in secondary schools	Economical and social geography of the UIS, Geopolicy	<p><b>Content:</b> Examines fertility, mortality rates in the world, as well as the factors influencing demografičesikie processes. Population policies in the countries of India and the world</p> <p><b>Target:</b> The natural features, people, religion, languages and economic development of countries.</p> <p><b>Have the skills:</b> Knowledge of the geographical characteristics of the country</p>
10	Economical and social geography of Kazakhstan	3	5	Population geography, Geografiyach eskie knowledge gained in secondary schools	World political map, Political, economic and social geography of the world	<p><b>Content:</b> The main contest of the discipline is social, branch-wise, agricultural structure of the states, its parts or separate regions</p> <p><b>Target:</b> To examine the social and geographical position of the country their development</p> <p><b>Expected results:</b> To <b>know</b> the population, demographic situation of the branch-wise production in Kazakhstan</p> <p><b>Have the skills:</b> formation and structure of clouds, appearance of the fog, moving and circulation of the air</p>
10	Economical and social geography of the UIS	3	5	Country study, Geografiyach eskie knowledge gained in secondary schools	Geopolicy, Political, economic and social geography of the world	<p><b>Content:</b> The main contest of the discipline is social, branch-wise, agricultural structure of the states, its parts or separate regions</p> <p><b>Target:</b> To study the economic and social position of the UIS</p> <p><b>Expected results:</b> To <b>know</b> To know the population, demographic situation of the branch-wise production in the UIS and their development</p> <p><b>Have the skills:</b> formation and structure of clouds, appearance of the fog, moving and</p>

						circulation of the air
11	Geography of natural resources	3	5	Geology; Geomorphology, General hydrology	Protected areas of Kazakhstan, Physical Geography of Kazakhstan	<p><b>Content:</b> Students study the types of natural resources, the place of minerals, the ways of mining, technological processing and use them in economical activity, also the influence on the environment</p> <p><b>Target:</b> To study the classification of natural resources, their distribution, production and prospects</p> <p><b>Expected results:</b> The <b>knowledge</b> of reasons of different nature resources distributions on the Earth; <b>Have the skills:</b> their mining and forecast prospects</p>
11	Technical and economical bases of industry	3	5	Basis of mineralogy and petrography, Modern problem of the physical geography, Environment protection	Political, economic and social geography of the world	<p><b>Content:</b> To give the deep knowledge of modern machinery and technologies of the important branches in economic complex, the use of production force, efficient use of nature minerals and development of ecological and economical thinking</p> <p><b>Target:</b> To save the balance between the nature and industry according to the economical use of the minerals</p> <p><b>Expected results:</b> The <b>knowledge</b> The knowledge of different forms in branch-wise relations, their influence on allocation and activity</p> <p><b>Have the skills:</b> their mining and forecast prospects</p>
12	Protected areas of Kazakhstan	3	5	Geography of natural resources, Geography of nature using	The landscapes of Kazakhstan, Kazakhstan, Physical Geography, Physical geography of East Kazakhstan	<p><b>Content:</b> Objectives and basis for the organization of specially protected nature reserves, national parks, botanical and zoological parkov.Znachenie in the development of eco-tourism protected areas. Objectives and basis for the organization of specially protected nature reserves, national parks, botanical and zoological parkov.Znachenie in the development of eco-tourism protected areas.</p> <p><b>Target:</b> The study of protected objects on the territory of Kazakhstan</p> <p><b>Expected results:</b> <b>Knowledge</b> of nature reserves and national parks in Kazakhstan.</p> <p><b>Have the skills:</b> Types of deserts. The forms of sand accumulation in deserts. About genesis and sand relief development.</p>
12	Nature protection of Kazakhstan	3	5	Environment		<p><b>Content:</b> Goals and principles of organization of specially protected nature reserves, national parks, Botanical and Zoological parks.</p>

				protection, Modern problem of the physical geography	Landscape indication, Physical geography of UIS	<b>Target:</b> The aim of the study of nature reserves on the territory of Kazakhstan and their significance in the protection of the environment <b>Expected results:</b> The <b>knowledge</b> the Knowledge of nature reserves and national parks of Kazakhstan To have skills: Determine the importance of the nature reserves of Kazakhstan
13	Geography of international economic relations	3	5	Population geography, Economic and social geography of Kazakhstan	Mapping the basics of topography, World political map, Political, economic and social geography of the world	<b>Content:</b> The types of agricultural relations. Common and international geographical division of labour. The notion of the open state economy. Cycles in world agriculture development <b>Target:</b> To determine the international economic relations <b>Expected results:</b> To <b>know</b> the level of economical development in the world, economical regions <b>Have the skills:</b> study the ethnic structure of the universal national demography
13	Geography of the modern world	3	5	Economical and social geography of the UIS, Country study	World political map, Political, economic and social geography of the world	<b>Content:</b> This discipline is one of the main components in preparation of high level specialists, which help to open the contest of modern world geography, difficult processes of development and transformation of modern world geography <b>Target:</b> To show different changes through the economic, social, political, geographical problems <b>Expected results:</b> <b>Knowledge</b> about region production and region population, systemic connection between state and regions, the analyzing skills and their influence on each other <b>Have the skills:</b> geopolitical consequences of disorder of the USSR for Kazakhstan and other CIS countries
14	Cartography with bases of topography	3	5	Geomorphology, General gidrologiyar Geography of Natural Resources	World political map, Political, economic and social geography of the world	<b>Content:</b> Maps and atlases, main properties, contents and elements. Mathematical basis of maps, ways of the cartographical image, cartographical generalization. <b>Target:</b> training in drawing up maps of various scale <b>Expected results:</b> <b>Know:</b> Ability to distinguish cartographical and topographic maps and work with them <b>Have the skills:</b> Analyses and assessment of the maps and atlases

14	The history of cartography	3	5	Country study, Geopolitics	Physical geography of UIS	<p><b>Contents:</b> the Object of study are the magnitude, the determination of heights with the help of instruments (level and theodolite), holding shemko location plan, using symbols</p> <p><b>Target:</b> Knowledge of the appearance of the first card and development</p> <p><b>Expected results:</b> Knowledge of the history of the appearance of cards and the ability to use them</p> <p><b>Have the skills:</b> the Ability to distinguish between cartographic and topographic maps and work with them</p>
15	Cartography with bases of topography	2-I	3	Geomorphology, General hidrologiyar Geography of Natural Resources	World political map, Political, economic and social geography of the world	<p><b>Content:</b> Maps and atlases, main properties, contents and elements. Mathematical basis of maps, ways of the cartographical image, cartographical generalization.</p> <p><b>Target:</b> training in drawing up maps of various scale</p> <p><b>Expected results:</b></p> <p><b>Know:</b> Ability to distinguish cartographical and topographic maps and work with them</p> <p><b>Have the skills:</b> Analyses and assessment of the maps and atlases</p>
15	The history of cartography	2-I	3	Country study, Geopolitics	Physical geography of UIS	<p><b>Contents:</b> the Object of study are the magnitude, the determination of heights with the help of instruments (level and theodolite), holding shemko location plan, using symbols</p> <p><b>Target:</b> Knowledge of the appearance of the first card and development</p> <p><b>Expected results:</b> Knowledge of the history of the appearance of cards and the ability to use them</p> <p><b>Have the skills:</b> the Ability to distinguish between cartographic and topographic maps and work with them</p>
16	Landscape	3	5	Geomorphology, General Hydrology, Meteorology with the basics of climatology	Soil geography, Physical geography of Kazakhstan, Anthropogenic landscape science	<p><b>Content:</b> The landscape structure of the natural regions. Landscapes of plain and mountain. Hierarchy of geosystems and morphological structure of the landscape. The main organizational levels of geosystems: local, regional, planetary. Functioning and dynamic of the geosystems</p> <p><b>Target:</b> To examine the appearance of natural conditions, possibilities of their changes, influenced on the natural forces, anthropogenic forces</p> <p><b>Expected results:</b></p>

						<p><b>To know</b> how to conduct the regularities of general land studying and landscape studying,</p> <p><b>Have the skills:</b> to know the connection between them</p>
16	Landscape indication	3	5	<p>The general physical geography, Geomorphology, Modern problem of the physical geography</p>	<p>Soil geoecology, Modern problems of climate change</p>	<p><b>Content:</b> In this course students learn the influence of anthropological factors to the lithogenic area soil and vegetative cover and other components <b>Target:</b> To learn the types of landscape and peculiarities of their indication</p> <p><b>Expected results:</b></p> <p><b>To know</b> Knowledge of the types and meaning landscape indication</p> <p><b>Have the skills:</b> to know the connection between them</p>
17	Landscape	2-I	3	<p>Geomorphology, General Hydrology, Meteorology with the basics of climatology</p>	<p>Soil geography, Physical geography of Kazakhstan, Anthropogenic landscape science</p>	<p><b>Content:</b> The landscape structure of the natural regions. Landscapes of plain and mountain. Hierarchy of geosystems and morphological structure of the landscape. The main organizational levels of geosystems: local, regional, planetary. Functioning and dynamic of the geosystems</p> <p><b>Target:</b> To examine the appearance of natural conditions, possibilities of their changes, influenced on the natural forces, anthropogenic forces</p> <p><b>Expected results:</b></p> <p><b>To know</b> how to conduct the regularities of general land studying and landscape studying,</p> <p><b>Have the skills:</b> to know the connection between them</p>
17	Landscape indication	2-I	3	<p>The general physical geography, Geomorphology, Modern problem of the physical geography</p>	<p>Soil geoecology, Modern problems of climate change</p>	<p><b>Content:</b> In this course students learn the influence of anthropological factors to the lithogenic area soil and vegetative cover and other components <b>Target:</b> To learn the types of landscape and peculiarities of their indication</p> <p><b>Expected results:</b></p> <p><b>To know</b> Knowledge of the types and meaning landscape indication</p> <p><b>Have the skills:</b> to know the connection between them</p>
18	Aridization	3	5	<p>Geomorphology, General Hydrology, Meteorology with the basics of climatology</p>	<p>Soil geography, Physical geography of Kazakhstan, Anthropogenic landscape science</p>	<p><b>Content:</b> Morphology of arid region. Processes which are in deserts, their reflection on the surface. The indications of land aridization in Kazakhstan. Types of deserts. The forms of sand accumulation in deserts. About genesis and sand relief development</p> <p><b>Target:</b> To learn the process of</p>

						<p>desertification and its manifestation on the Earth</p> <p><b>Expected results: Knowledge</b> about the influence of process of desertification on natural and anthropogenic processes, the way of strife with desertification</p> <p><b>Have the skills:</b> study the ethnic structure of the universal national demography</p>
18	Aeology	3	5	Modern problem of the physical geography, Earth resource management	Soil geoecology , Modern problems of climate change, Physical geography of UIS	<p><b>Content:</b> Physic-geographical peculiarities of ecology, geographical characteristic geological structure and relief, climate and hydrographs, soil-vegetative cover</p> <p><b>Target:</b> To learn the influence of district to the types of the air</p> <p><b>Expected results:</b> To <b>know</b> Knowledge the types of the air and utilization in the capacity of alternative source of energy</p> <p><b>Have the skills</b> the influence of exogenous and endogenous factors</p>
19	Soil geography	3	5	Geology, Geomorphology, Landscape	The anthropogenic landscape science, Physical geography of continents and oceans, Environmental monitoring	<p><b>Content:</b> Soil geography is the fundamental science about the Earth. This discipline gives the knowledge not only about spray of different types of soil but the structure, mixture, composition, genesis. To know physical, chemical, biological features of the soil</p> <p><b>Target:</b> To examine the soil building factors, physical and chemical mixture structure of the soil, distribution of soil type on the natural regions</p> <p><b>Expected results:</b> To <b>know</b> the types of the soil in Kazakhstan and in the world, methods of melioration and recultivation</p> <p><b>Have the skills:</b> analysis of the basic stages of mountain building; the influence of exogenous and endogenous factors</p>
19	Soil geoecology	3	5	Landscape indication, Environment protection	Modern problems of climate change	<p><b>Content:</b> Studying the types of soil on the Earth and their changes according to the anthropogenic process. Reproduction of soil resources, destroyed with the help of natural and anthropogenic processes. Meliorational methods</p> <p><b>Target:</b> To research the ecological situations on the Earth and methods of melioration</p> <p><b>Expected results:</b> To <b>know</b> The ecological soil</p>

						situation in condition of mechanical and chemical structure <b>Have the skills</b> the influence of exogenous and endogenous factors
20	Physical geography of Kazakhstan	3	5	Geomorphology, Meteorology with the basics of climate science, Protected areas of Kazakhstan	The anthropogenic landscape science, Physical geography of continents and oceans	<b>Content:</b> Physical and geographical differentiation and influence of anthropogenic factors on the natural complexes. The influence of Kazakhstan's intercontinental position on differentiation of local complexes in different taxonomic stage. Landscape is one of the fundamental notions of modern physical geography. Physical and geographical province as a component of huge natural territorial complex. Physical and geographical zoning of Kazakhstan <b>Target:</b> To examine the physical and geographical situation on the territory of Kazakhstan <b>Expected results: Knowledge</b> of the geological territory organization, relief, climate <b>Have the skills:</b> inner water, flora and fauna, natural zones of Kazakhstan
20	Physical geography of UIS	3	5	Environment protection, Modern problem of the physical geography, Aeology	Modern problems of climate change	<b>Content:</b> The discipline deals with the physical and geographical characteristics of the UIS's territory <b>Target:</b> To examine the physical and geographical situation on the territory of UIS <b>Expected results:</b> To <b>know</b> Knowledge of the geological territory organization, relief, climate, inner water, flora and fauna, natural zones of UIS <b>Have the skills</b> the influence of exogenous and
21	Anthropological landscape studying	2	3	Geology, geomorphology, Landscape science, Landscaping Kazakhstan	FSA	<b>Content:</b> In this course learning the influence of anthropological factors to lithogenic area, soil and other components of nature <b>Target:</b> To learn the natural landscape changes as a result of anthropological process <b>Expected results: Knowledge</b> of anthropological landscape types, possibilities of change technological landscape into the cultural one <b>Have the skills:</b> study the ethnic structure of the universal national demography
21	Modern problems of climate change	2	3	Environment protection, Landscape indication	FSA	<b>Contents:</b> global climate change, the need to "fit" the rural and national economy in the world <b>Target:</b> Determination of the degree

						of change in the Earth's climate with the result of anthropogenic processes and their effects on other natural components <b>Expected result: to Know:</b> Knowledge of the climate, phenomena and processes and their interaction
22	Anthropological landscape studying	3-I	5	Geology, geomorphology, Landscape science, Landscaping Kazakhstan	Geoecological monitoring, Urboecology	<b>Content:</b> In this course learning the influence of anthropological factors to lithogenic area, soil and other components of nature <b>Target:</b> To learn the natural landscape changes as a result of anthropological process <b>Expected results: Knowledge</b> of anthropological landscape types, possibilities of change technological landscape into the cultural one <b>Have the skills:</b> study the ethnic structure of the universal national demography
22	Modern problems of climate change	3-I	5	Environment protection, Landscape indication	Geoecological monitoring, Urboecology	<b>Contents:</b> global climate change, the need to "fit" the rural and national economy in the world <b>Target:</b> Determination of the degree of change in the Earth's climate with the result of anthropogenic processes and their effects on other natural components <b>Expected result: to Know:</b> Knowledge of the climate, phenomena and processes and their interaction

Elective course №	The name of subject	Кол-во кредитов		Pre requisites	Post requisites	Short description of the content, the aims of education, expected results
		РК	ECTS			
Main disciplines						
Elective courses (EC)						
1	Landscape of Kazakhstan	3	5	Aridization, Geology, Geomorphology, Landscape	The anthropogenic landscape science, Physical geography of continents and oceans, Environmental monitoring	<b>Content:</b> In this course students learn the influence of anthropological factors to lithogenic area, soil and vegetative cover and other components of nature of Kazakhstan <b>Target:</b> To learn the kinds of landscapes in the territory of Kazakhstan <b>Expected results: Knowledge</b> of landscape's kinds in the territory of Kazakhstan and their anthropological

						changes <b>Have the skills:</b> Types of deserts. The forms of sand accumulation in deserts. About genesis and sand relief development.
1	Geography of tourism of Foreign Asia	3	5	Economic and social geography of Kazakhstan, Geography of international economic relations	Restaurant business in Kazakhstan, The development of tourism in Kazakhstan Ecotourism	<b>Content:</b> Formation, development and перспективы tourism developments in the countries of Foreign Asia. Possibilities of development of tourist branch taking into account a natural and economic situation of the countries of Foreign Asia; <b>Target:</b> Studying of geography of tourism of Foreign Asia <b>Expected results: Knowledge</b> of development of geography of tourism of Foreign Asia <b>Have the skills:</b> tourism infrastructure bases in the countries of Foreign Asia.
2	Physical geography of the East Kazakhstan	3	5	Geomorphology, Protected areas of Kazakhstan, Landscape	Physical geography of continents and oceans, Environmental Monitoring, Urbo ecology	<b>Content:</b> Physical and geographical features of the East Kazakhstan: geographical position, characteristics of the geological structure and relief, climate and hydrograph, soil-growth cover <b>Target:</b> To study the physical and geographical position of the East Kazakhstan <b>Expected results:</b> To <b>know</b> the geological arrangement, relief, climate features, inner water, flora and fauna of Kazakhstan <b>Have the skills:</b> The influence of Kazakhstan's intercontinental position on differentiation of local complexes in different taxonomic stage.
2	Geography of tourism of foreign Europe	3	5	Economic and social geography of Kazakhstan, Geography of international economic relations	Restaurant business in Kazakhstan, The development of tourism in Kazakhstan Ecotourism	<b>Content:</b> Formation, development and перспективы tourism developments in the countries of Foreign Europe. Possibilities of development of tourist branch taking into account a natural and economic situation of the countries of Foreign Europe; <b>Target:</b> Studying of geography of tourism of Foreign Europe <b>Expected results: Knowledge</b> of development of geography of tourism of Foreign Europe <b>Have the skills:</b> Tourism infrastructure bases in the countries of Foreign Europe
3	The political World map	2	3	Geography of population,	Political, economic and social	<b>Content:</b> Students learn the regularities and the main stages of modern politic map formation

				Economic and social geography of Kazakhstan	geography of the world, Urboecology	<b>Target:</b> The study of map changing, qualitative changes in political maps <b>Expected results:</b> To know the history of cartography. Qualitative and quantitative changes of the countries on the political map
3	Historical monuments and culture of Kazakhstan	2	3	Physical geography of Kazakhstan, Protected areas of Kazakhstan	Restaurant business in Kazakhstan, Political, economic and social geography of the world, Centers of tourism development in Kazakhstan	<b>Content:</b> Culture of Kazakhs, traditions and history of the emergence pamyatn.ikov cultures in different historical periods. <b>Target:</b> The study of cultural and historical monuments of Kazakhstan. <b>Expected results:</b> <b>Knowledge</b> of historical monuments Cove on the territory of Kazakhstan and their values. <b>Have the skills:</b> Their importance to the state and its role in attracting tourists. Protection of historical monuments.
4	Economical and social geography of the UIS	3	5	Geography of population, Economic and social geography of Kazakhstan, Geography of international economic relation	Political, economic and social geography of the world, Urboecology , Economic evaluation of natural resources	<b>Content:</b> The main contest of the discipline is social, branch-wise, agricultural structure of the states, its parts or separate regions <b>Target:</b> To study the economic and social position of the UIS <b>Expected results:</b> <b>To know</b> the population, demographic situation of the branch-wise production in the UIS and their development <b>Have the skills:</b> formation and structure of clouds, appearance of the fog, moving and circulation of the air
4	Basis of tourism and local history	3	5	Geography of population, Economic and social geography of Kazakhstan	Restaurant business in Kazakhstan, The development of tourism in Kazakhstan Ecotourism	<b>Content:</b> Examines the history and procedures of preparation, organization and conduct of the trip, to obtain the necessary knowledge about the flora and fauna of his native land, and environmental education. <b>Target:</b> Students gain the theoretical knowledge and practical skills will be needed in tourist travels and expeditions. <b>Expected results:</b> <b>Knowing</b> the potential of tourism in the area as a regional component for the discipline of tourism and local history. <b>Have the skills:</b> Their importance to the state and its role in attracting tourists. Protection of historical monuments.
5	Political economy and social geography of the world	4	6	Geography of population, Economic	FSA	<b>Content:</b> The place and the role of the course is in the system of geographical discipline – core of modern knowledge system. Political

				and social geography of Kazakhstan, Geography of international economic relations		and geographical position of concrete state in political map of the world. The regions of political intensity <b>Target:</b> To learn the development of social economy in the world's countries <b>Expected results: To know</b> the ethnic-religious structure, demographic situation and economic development of countries of the world <b>Have the skills:</b> Political and geographical position of concrete state in political map of the world.
5	Ecological tourism	4	6	Fundamentals of Tourism and Local History, Protected areas of Kazakhstan, Culture and historical monuments of Kazakhstan	FSA	<b>Content:</b> To consider the forms and methods of work of the tourist organization for the development of ecological tourism. <b>Target:</b> To reveal the peculiarities of formation and development of ecological tourism <b>Expected results:</b> <b>Know</b> the process of organization, functioning ecological tourism, forms and methods of work <b>Have the skills:</b> The organizations of development of the international tourism, the program of development of tourism in Kazakhstan
6	Political economy and social geography of the world	3-I	5	Geography of population, Economic and social geography of Kazakhstan, Geography of international economic relations	FSA	<b>Content:</b> The place and the role of the course is in the system of geographical discipline – core of modern knowledge system. Political and geographical position of concrete state in political map of the world. The regions of political intensity <b>Target:</b> To learn the development of social economy in the world's countries <b>Expected results: To know</b> the ethnic-religious structure, demographic situation and economic development of countries of the world <b>Have the skills:</b> Political and geographical position of concrete state in political map of the world.
6	Ecological tourism	3-I	5	Fundamentals of Tourism and Local History, Protected areas of Kazakhstan, Culture and historical monuments	FSA	<b>Content:</b> To consider the forms and methods of work of the tourist organization for the development of ecological tourism. <b>Target:</b> To reveal the peculiarities of formation and development of ecological tourism <b>Expected results:</b> <b>Know</b> the process of organization, functioning ecological tourism, forms

				of Kazakhstan		and methods of work <b>Have the skills:</b> The organizations of development of the international tourism, the program of development of tourism in Kazakhstan
7	Economic evaluation of nature resource	3	5	Geography of natural resources, geography of natural Resources, economic and social geography of Kazakhstan	FSA	<b>Content:</b> To learn the distribution of natural resource on the expanse their economic level. Useful mineral on the surface and depths of the Earth and bottom of the world ocean. <b>Target:</b> To prospect the natural resource of the Earth and their production from the economic point of view <b>Expected results: Knowledge</b> of distribution on the Earth natural resource and their economic situations <b>Have the skills:</b> Their economic meaning and innovational technology of production
7	Restaurant matter in Kazakhstan	3	5	Basics of tourism and local history, Culture and historical monuments of Kazakhstan	FSA	<b>Content:</b> Restaurants and their activity in Kazakhstan, compliance of restaurants of Kazakhstan to the international standards, restaurant service <b>Target:</b> Studying of restaurant business in tourism development in Kazakhstan <b>Expected results: To know</b> restaurants across Kazakhstan <b>Have the skills:</b> Studying of restaurant business in tourism development in Kazakhstan
8	Physical geography of the continents and oceans	3	5	Geomorphology, Physical Geography of Kazakhstan, East Kazakhstan Physical Geography, Protected areas of Kazakhstan	FSA	<b>Content:</b> The meaning of regional physical and geographical courses for studying economical and social geography. The continents and the oceans – the main natural objects. The parts of the world <b>Target:</b> To study the physical and geographical position of the continents and oceans <b>Expected results:</b> <b>Knowledge</b> The appearance of the continents and oceans, theory of mobility, location and dynamic of the earth's mats, inner water, climate and flora.
8	Recreational geography	3	5	Fundamentals of Tourism and Local History, Geography Tourism Abroad Asia, Tourism	FSA	<b>Content:</b> The scientific direction studying development of geographical regularities of the organization of free from work of time of the person Common features of recreational geography of many countries of Europe and America. The main

				Geography of foreign European countries		<p>object of recreational geography – the regional recreational system (RRS)</p> <p><b>Target:</b> Studying of recreational resources and recreational areas, their communications with regional systems, their features and separate subsystems, Petja of management and development prospects</p> <p><b>Expected results:</b> Knowledge of tourism and rest geography in the world, types of the organization of rest and recreational resources</p> <p><b>Have the skills:</b> The influence of Kazakhstan's intercontinental position on differentiation of local complexes in different taxonomic stage.</p>
9	Geoecological monitoring	3	5	Physical geography of Kazakhstan, Anthropogenic landscape science, Geography of nature	FSA	<p><b>Content:</b> Basic content of course towards to making own presentation about the basic ways of departure from global ecological crisis, upbringing the humane attitude to the nature and human; realization the ability of utilization unique potential, which consist of spiritual relations with the nature world for the personal ecologic professional evolution</p> <p><b>Target:</b> To learn the ways of light with anthropological change of natural environment</p> <p><b>Expected results:</b> Knowledge of the meaning geoecological monitoring</p> <p><b>Have the skills:</b> which consist of spiritual relations with the nature world for the personal ecologic professional evolution</p>
9	Financial economic activities of hotels in Kazakhstan	3	5	Fundamentals of Tourism and Local History, Geography Tourism Abroad Asia, Tourism Geography of foreign European countries	FSA	<p><b>Content:</b> Hotels of Kazakhstan and their confirm to the international standards, the level of hotel service and its financial and economic indicators</p> <p><b>Target:</b> Studying of financial and economic activity of hotels of Kazakhstan</p> <p><b>Expected results:</b> Knowledge financial and economic activity of hotels of Kazakhstan</p> <p><b>Have the skills:</b> formation and structure of clouds, appearance of the fog, moving and circulation of the air</p>
10	Urboecology	3	5	Geography of natural resources, Economic	FSA	<p><b>Content:</b> Examination of creation of favourable, natural, psychological, social conditions to the cities' population</p>

				and social geography of Kazakhstan, Anthropogenic landscape science		<p><b>Target:</b> To learn the ecological position of the world's cities</p> <p><b>Expected results: Knowledge</b> of complication social position of the inhabitants in accordance to the rise of economic level</p> <p><b>Have the skills:</b> Change of ecological situation and ways of renewal</p>
10	Geography of services sector	3	5	Fundamentals of Tourism and Local History, Geography Tourism Abroad Asia, Tourism Geography of foreign European countries	FSA	<p><b>Content:</b> The purpose of this course is to give a system idea of geography of the services sectors, one of the most perspective, quickly developing branches of world economy is the services sector covering a wide field of activity</p> <p><b>Target:</b> Studying of value of a services sector in development of a national economy</p> <p><b>Expected results: Knowledge</b> of services sectors of the population and their place in a national economy</p> <p><b>Have the skills:</b> Students gain the theoretical knowledge and practical skills will be needed in tourist travels and expeditions.</p>

*Designations: (i) – for the intensive form of education*

## LIST OF ELECTIVE COURSES

Form of education: Full-time

Studying term: 4 years

Name of Discipline	Discipline Code	Credits		Semester
		EK	ECTS	
General educational disciplines				
Elective course 1				
Self cognite	SC1106	2	3	1
Culturology	Cul1106			
Elective course 2				
Fundamentals of Anti-Corruption Culture	FACC 1107	2	3	2
Political science	PS 1107	2	3	2
Sociology	Soc 1107	2	3	2
Elective course 3				
Religious	Rel 2108	3	5	4
Basic disciplines				
Elective course 1				
Introduction to pedagogycal proffession	IPP 1210	2	3	1
Psychology adaptation of teacher in educational organization	PATEO1210	2	3	1
Elective course 2				
Meteorology with bases of climatology	MWBC1211	3	5	1
The system of meteorological stations in Kazakhstan	TSMSK1211	3	5	1
Elective course 3				
General hydrology	GH1212	3	5	1
Modern problem of the physical geography	MPPG1212	3	5	1
Elective course 4				
Geology	Geo1213	3	5	2
Paleogeography	PG1213	3	5	2
Elective course 5				
Geomorphology	GM2214	3	5	3
Environment protection	EP2214	3	5	3
Elective course 6				
Geomorphology of arid lands in Kazakhstan	GALK2215	3	5	3
Earth resource management	ERM2215	3	5	3
Elective course 7				
Geography of population	GP2216	3	5	3
Country study	CS2216	3	5	3
Elective course 8				
Economic and social geography of the Kazakhstan	ESGK2217	3	5	4
Economical and social geography of the UIS	ESGUIS2217	3	5	4
Elective course 9				
Geography of natural resources	GNR2218	3	5	4
Technical and economical bases of industry	TEBI2218	3	5	4
Elective course 10				
Especially protected territories of Kazakhstan	EPTK2219	3	5	4
Nature protection of Kazakhstan	NPK2219	3	5	4
Elective course 11				
The geography of international economic relations	TGIER3220	3	5	5
Geography of the modern world	GMW3220	3	5	5

<b>Elective course 12</b>				
Cartography and bases of topography	CBT3221	3	5	5
The history of cartography	THC3221	3	5	5
<b>Elective course 13</b>				
Landscape studying	LS3222	3	5	5
Landscape indication	LI3222	3	5	5
<b>Elective course 14</b>				
Aridization	Ari3223	3	5	5
Aeology	Aeo3223	3	5	5
<b>Elective course 15</b>				
Geography of soils	GS3224	3	5	6
Soil geoecology	SG3224	3	5	6
<b>Elective course 16</b>				
Physical geography of Kazakhstan	PGK3225	3	5	6
Physical geography of UIS	PGUIS3225	3	5	6
<b>Elective course 17</b>				
Anthropogenic Landscape studying	AL 4226	2	3	7
Modern problems of climate change	MPCC4226	2	3	7
<b>Main disciplines</b>				
<b>Elective course 1</b>				
Landscapes of Kazakhstan	LK3303	3	5	6
Geography of tourism of the foreign Asian countries	GTFAC3303	3	5	6
<b>Elective course 2</b>				
Physical geography of East Kazakhstan	PGEK3304	3	5	6
Geography of tourism of the foreign European countries	GTFEC3304	3	5	6
<b>Elective course 3</b>				
Political map of the world	PMW3305	2	3	6
Culture and historical monuments of Kazakhstan	CHMK3305	2	3	6
<b>Elective course 4</b>				
Economic and social geography of the East Kazakhstan	ESGEK3306	3	5	6
The bases of tourism and local lore study	TBTLLS3306	3	5	6
<b>Elective course 5</b>				
Political, economic and social geography of the world	PESGW4307	4	6	7
Tourism of ecology	TE4307	4	6	7
<b>Elective course 6</b>				
Economic assessment of natural resources	EANR4308	3	5	7
Restaurant business of Kazakhstan	RBK4308	3	5	7
<b>Elective course 7</b>				
Physical geography of continents and oceans	PGCO4309	3	5	7
Recreational geography	RG4309	3	5	7
<b>Elective course 8</b>				
Geoenvironmental monitoring	GM4310	3	5	7
Financial and economic activity of hotels of Kazakhstan	FEAHK4310	3	5	7
<b>Elective course 9</b>				
Urboekologiya	UE4311	3	5	7
Services sector geography	SSG4311	3	5	7

## LIST OF ELECTIVE COURSES

Form of education: Extramural

Studying term: 3 years

Name of Discipline	Discipline Code	Credits		Semester
		EK	ECTS	
Basic disciplines				
Elective course 1				
Introduction to pedagogical profession	IPP 1210	2	3	1
Psychology adaptation of teacher in educational organization	PATEO1210	2	3	1
Elective course 2				
Meteorology with bases of climatology	MWBC1211	3	5	2
The system of meteorological stations in Kazakhstan	TSMSK1211	3	5	2
Elective course 3				
General hydrology	GH1212	2	3	3
Modern problem of the physical geography	MPPG1212	2	3	3
Elective course 4				
Geology	Geo1213	2	3	3
Paleography	PG1213	2	3	3
Elective course 5				
Geomorphology	GM2214	3	5	4
Environment protection	EP2214	3	5	4
Elective course 6				
Geography of population	GP2215	3	5	4
Country study	CS2215	3	5	4
Elective course 7				
Economic and social geography of the Kazakhstan	ESGK2216	3	5	5
Economical and social geography of the UIS	ESGUIS2216	3	5	5
Elective course 8				
Geography of natural resources	GNR2217	3	5	5
Technical and economical bases of industry	TEBI2217	3	5	5
Elective course 9				
Especially protected territories of Kazakhstan	EPTK2218	3	5	6
Nature protection of Kazakhstan	NPK2218	3	5	6
Elective course 10				
The geography of international economic relations	TGIER2219	3	5	6
Geography of the modern world	GMW2219	3	5	6
Elective course 11				
Cartography and bases of topography	CBT2220	3	5	6
The history of cartography	THC2220	3	5	6
Elective course 12				
Landscape studying	LS3221	2	3	7
Landscape indication	LI3221	2	3	7
Elective course 13				
Aridization	Ari3222	3	5	7
Aeology	Aeo3222	3	5	7
Elective course 14				
Geography of soils	GS3223	3	5	7
Soil geoecology	SG3223	3	5	7

<b>Elective course 15</b>				
Physical geography of Kazakhstan	PGK3224	3	5	7
Physical geography of UIS	PGUIS3224	3	5	7
<b>Elective course 16</b>				
Anthropogenic Landscapes studying	AL 3225	3	5	8
Modern problems of climate change	MPCC3225	3	5	8
<b>Main disciplines</b>				
<b>Elective course 1</b>				
Landscapes of Kazakhstan	LK2303	3	5	6
Geography of tourism of the foreign Asian countries	GTFAC2303	3	5	6
<b>Elective course 2</b>				
Physical geography of East Kazakhstan	PGEK3304	3	5	8
Geography of tourism of the foreign European countries	GTFEC3304	3	5	8
<b>Elective course 3</b>				
Political map of the world	PMW3305	2	3	8
Culture and historical monuments of Kazakhstan	CHMK3305	2	3	8
<b>Elective course 4</b>				
Economic and social geography of the East Kazakhstan	ESGEK3306	3	5	9
The bases of tourism and local lore study	TBTLLS3306	3	5	9
<b>Elective course 5</b>				
Political, economic and social geography of the world	PESGW3307	3	5	9
Tourism of ecology	TE3307	3	5	9
<b>Elective course 6</b>				
Physical geography of continents and oceans	PGCO3308	3	5	8
Recreational geography	RG3308	3	5	8
<b>Elective course 7</b>				
Geoenvironmental monitoring	GM3309	3	5	9
Financial and economic activity of hotels of Kazakhstan	FEAHK3309	3	5	9
<b>Elective course 8</b>				
Urboekologiya	UE3310	3	5	9
Services sector geography	SSG3310	3	5	9

