

Kazakh Humanitarian-Juridical Innovative University
Faculty of Humanitarian
Department of History and social-humanitarian sciences

THE CATALOGUE OF ELECTIVE SUBJECTS
B014 Training of geography teachers
6B01505 – «Geography»
Year revenue - 2020

№ optional component	Name of the discipline	Number of credits	Prerequisites	Post-requisites	A brief description indicating the purpose of the study, brief content and expected results of the study (knowledge, skills, skills, competencies)
Basic discipline					
Optional components (OC)					
1	Meteorology with the basics of climatology	5	Geographical knowledge obtained in secondary school	Geology, Geomorphology	<p>Content: The disciplines studies the process which occur in atmosphere; structure and chemical mixture of atmosphere;</p> <p>Target: To study the meteorological features and climate processes</p> <p>Expected results:</p> <p>Know: Skills of using technology and device for weather discovering, weather forecast based on the results.</p> <p>Have the skills: formation and structure of clouds, appearance of the fog, moving and circulation of the air</p>
1	Biogeography	5	Geographical knowledge obtained in secondary school	Modern problems of physical geography, Paleogeography	<p>Content: introduces the laws of distribution and placement of living organisms and their groups on the globe. Biogeography-a biocenotic, landscape description of organisms with the definition of historical origin and distribution zones in the continents and oceans.</p> <p>Expected result:</p> <p>Be able to: know the diversity and distribution of living organisms</p> <p>Know: features of formation and consolidation of fauna and flora</p>
2	General hydrology	5	Geographical knowledge obtained in secondary school	Geology, Geomorphology	<p>Content: 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>Target: To determine the water resources and their hydrological order</p> <p>Expected results:</p> <p>Knowing of the physical and chemical features of inner and external water and their importance for mankind</p> <p>Have the skills: the role and the meaning of the natural water (rivers,</p>

					lakes, seas, oceans, glaciers, bogs) in the geographical cover.
2	Modern problems of physical geography	5	Geographical knowledge obtained in secondary school	Paleography, Environment protection	<p>Content: Students distinguish theoretical bases of physical geography (landscape), nature protection, nature management and their modern problems</p> <p>Target To determine the nature changes as a result of anthropogenic processes and the problems of their prevention</p> <p>Expected results:</p> <p>Knowing The knowledge of influence and results of the human activity on nature</p> <p>Have the skills: the role and nature protection, nature management and their modern problems</p>
3	Geology	5	Meteorology with the basics of climatology, General hydrology	Geomorphology, Geography of soils	<p>Content: 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>Target: Explanation of the Earth appearance as a planet</p> <p>Expected results:</p> <p>Knowing Can to determine the appearance and development of the Earth as a planet</p> <p>Have the skills: physical and chemical processes on the Earth</p>
3	Paleography	5	Biogeography, Modern problems of physical geography	Environment protection, Physical geography of UIS	<p>Content: 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>Target: To know the geological history of the Earth planet</p> <p>Expected results:</p> <p>Knowing The knowledge of endogenous and exogenous processes from the birth of the Earth planet</p> <p>Have the skills: physical and chemical processes on the Earth</p>
4	Cartography and bases of topography	5	Meteorology with the basics of climatology, General hydrology	Political map of the world, The geography of international economic	<p>Content: Maps and atlases, main properties, contents and elements. Mathematical basis of maps, ways of the cartographical image, cartographical generalization. Target: training in drawing up maps of various</p>

				relations	scale Expected results: Know: Ability to distinguish cartographical and topographic maps and work with them Have the skills: Analyses and assessment of the maps and atlases
4	The history of cartography	5	Biogeography, Modern problems of physical geography	Physical geography of UIS, Economic and social geography of the CIS	Contents: 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 Target: Knowledge of the appearance of the first card and development Expected results: Knowledge of the history of the appearance of cards and the ability to use them Have the skills: the Ability to distinguish between cartographic and topographic maps and work with them
5	Geography of population	5	Geographical knowledge obtained in secondary school	Political, economic and social geography of the world, Economic and social geography of Kazakhstan	Content: 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. Target: To study the ethnic structure of the universal national demography Expected results: Students must know the nature safety, excursion resources and types of tourism. Have the skills: The formation stages of local settlement. Types of rural settlements by population.
5	Country study	5	Geographical knowledge obtained in secondary school	Economic and social geography of the CIS, Geopolitics	Content: Examines fertility, mortality rates in the world, as well as the factors influencing demograficesikie processes. Population policies in the countries of India and the world Target: The natural features, people, religion, languages and economic development of countries. Have the skills: Knowledge of the geographical characteristics of the country
6	Geomorphology	6	Geology, Meteorology with the basics of climatology	Geography of soils, Physical geography of Kazakhstan	Content: Structure, appearance and the development of relief of landscape; modern exogenous process; anthropological factors changed the relief; Target: To study the endogenous and exogenous processes on the Earth's cover Expected results: Know: To determine the geological structure of relief

					Have the skills: analysis of the basic stages of mountain building; the influence of exogenous and endogenous factors
6	Environment protection	6	Biogeography, Modern problems of physical geography	Physical geography of UIS, Soil geocology	Content: The system of state and common measures on improvement of natural environment, the effective use of natural resources, saving and improvement of natural wealth Target: To determine the measures on the Earth's surface reconstruction, which were disturbed in a result of anthropogenic processes Expected results: Know: The knowledge of international program activities on the environment protection Have the skills: analysis of the basic stages of mountain building; the influence of exogenous and endogenous factors
7	Physical geography of Kazakhstan	5	Meteorology with the basics of climatology, Geology	Physical geography of continents and oceans, Geoecology and nature protection	Content: 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 Target: To examine the physical and geographical situation on the territory of Kazakhstan Expected results: Knowledge of the geological territory organization, relief, climate Have the skills: inner water, flora and fauna, natural zones of Kazakhstan
7	Physical geography of UIS	5	Modern problems of physical geography, Biogeography	Recreational geography, Geography environmental management	Content: The discipline deals with the physical and geographical characteristics of the UIS's territory Target: To examine the physical and geographical situation on the territory of UIS Expected results: To know Knowledge of the geological territory organization, relief, climate, inner water, flora and fauna, natural zones of UIS Have the skills the influence of exogenous and
8	Economic and social geography of Kazakhstan	5		Political map	Content: The main contest of the discipline is social, branch-wise, agricultural structure of the states, its

			Geography of population, Geographical knowledge obtained in secondary school	of the world, Political, economic and social geography of the world	parts or separate regions Target: To examine the social and geographical position of the country their development Expected results: To know the population, demographic situation of the branch-wise production in Kazakhstan Have the skills: formation and structure of clouds, appearance of the fog, moving and circulation of the air
8	Economic and social geography of the CIS	5	Country study, Geographical knowledge obtained in secondary school	Geography of the modern world, Geoeconomics	Content: The main contest of the discipline is social, branch-wise, agricultural structure of the states, its parts or separate regions Target: To study the economic and social position of the UIS Expected results: To know To know the population, demographic situation of the branch-wise production in the UIS and their development Have the skills: formation and structure of clouds, appearance of the fog, moving and circulation of the air
9	Global geography and fundamentals of environmental management	5	Geology, Physical geography of Kazakhstan, General hydrology	Geography of soils, Urboekologiya	Content: We study the types of natural resources, mineral deposits, methods of extraction, technological processing and use in human economic activities, as well as their impact on the environment. Objective: to Study the classification of natural resources, their distribution, production and prospects Expected results: Know: Know the reasons for the different distribution of natural resources on Earth; their extraction and forecasting prospects and their use Have skills: use in human economic activities, as well as their impact on the environment.
9	Technical and economical bases of industry	5	Paleogeography, Modern problems of physical geography	Methods of calculation and design in geography, Geoeconomics	Content: 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 Target: To save the balance between the nature and industry according to the economical use of the minerals Expected results: The knowledge The knowledge of different forms in branch-wise relations, their influence on allocation and activity Have the skills: their mining and

					forecast prospects
10	Geoecology and nature protection	5	Geology; Physical geography of Kazakhstan, General hydrology	Geography of soils, Urboekologiya	<p>Contents: Geoecology is one of the directions of geographical science. It studies the ecological features of geographical systems at a high hierarchical level (physical and geographical zone, province, landscape) in order to preserve an environmentally friendly environment and ensure the efficient use of natural resources. On the other hand, Geoecology-this also applies to the field of ecology, since geographical processes based on additional environmental laws.</p> <p>Objective: to Study the ecological background of the environment in the framework of natural and anthropogenic geosystems</p> <p>Expected results:</p> <p>Know: Knowledge of natural resource protection</p> <p>Have skills: about ecological features of geographical systems of high hierarchical level (physical and geographical zone)</p>
10	History study of the nature of Kazakhstan	5	Paleogeography, Modern problems of physical geography	Geography environmental management, Recreational geography	<p>Content: Studies geographical research in historical periods, starting with the first study of the Kazakh land. The works of Arab researchers of the middle ages, Russian travelers-researchers, as well as the works of Herodotus in antiquity, etc. are considered.</p> <p>Purpose: to Study the nature of Kazakhstan from ancient times to the present day.</p> <p>Expected results:</p> <p>Know: Knowledge of the works and discoveries of travelers and researchers of nature in Kazakhstan.</p> <p>Have skills: about travelers and researchers who study the nature of the territory of Kazakhstan, study their works and discoveries.</p>
11	The geography of international economic relations	5	Geography of population, Economic and social geography of Kazakhstan	Political map of the world, Political, economic and social geography of the world	<p>Content: The types of agricultural relations. Common and international geographical division of labour. The notion of the open state economy. Cycles in world agriculture development</p> <p>Target: To determine the international economic relations</p> <p>Expected results:</p> <p>To know the level of economical development in the world, economical regions</p>

					Have the skills: study the ethnic structure of the universal national demography
11	Geography of the modern world	5	Country study, Economic and social geography of the CIS	State regulation of tourism development, Geoeconomics, Regional geography	Content: 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 Target: To show different changes through the economic, social, political, geographical problems Expected results: Knowledge about region production and region population, systemic connection between state and regions, the analyzing skills and their influence on each other Have the skills: geopolitical consequences of disorder of the USSR for Kazakhstan and other CIS countries
12	Anthropogenic Landscapestudying	5	Physical geography of Kazakhstan, Global geography and fundamentals of environmental management	Urboekologiya	Content: In this course learning the influence of anthropological factors to lithogenic area, soil and other components of nature Target: To learn the natural landscape changes as a result of anthropological process Expected results: Knowledge of anthropological landscape types, possibilities of change technological landscape into the cultural one Have the skills: study the ethnic structure of the universal national demography
12	Modern problems of climate change	5	Modern problems of physical geography, Environment protection	Regional geography, Geoecological monitoring	Contents: global climate change, the need to "fit" the rural and national economy in the world Target: Determination of the degree of change in the Earth's climate with the result of anthropogenic processes and their effects on other natural components Expected result: to Know: Knowledge of the climate, phenomena and processes and their interaction
13	Innovative technologies in teaching geography географии	5	Methods of teaching geography	FSA	Content: the Course examines the state, patterns and main trends in the development of modern school geography in the world, various countries and regions, Kazakhstan; Purpose: to analyze the trends and features of the development of geography in Kazakhstan and their impact on school geography; - to analyze different approaches to the

					<p>choice of technologies for teaching geography; - to develop various types of classes using innovative technologies.</p> <p>Expected result: Know: features and nature of the application of new teaching technologies Be able to: apply new pedagogical technologies in the classroom</p>
13	Methods of calculation and design in geography	5	Methods of teaching geography	FSA	<p>Content: General scientific methods determine the basis of phenomena and processes in nature, the prospects for their development. Studies methods and application technologies used in the complex study of the natural-territorial complex, geographical envelope, geographical environment, geographical zone, geographical landscape.</p> <p>Purpose: to Study methods of geographical science research and technology of their application</p> <p>Expected result: Be able to: determine geographical patterns using research methods of geographical science, know the technology of creating maps Know: geographical methods and General scientific methods: comparative method, system method, ecological method, physical method, Chemical method, physical and chemical methods.</p>
14	Geography of soils	5	Geology, Geomorphology	Urboekologiya	<p>Content: 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>Target: To examine the soil building factors, physical and chemical mixture structure of the soil, distribution of soil type on the natural regions</p> <p>Expected results: To know the types of the soil in Kazakhstan and in the world, methods of melioration and recultivation Have the skills: analysis of the basic stages of mountain building; the influence of exogenous and endogenous factors</p>
14	Soil geoecology	5			<p>Content: Studying the types of soil on the Earth and their changes according to the anthropogenic process.</p>

			Environment protection, Technical and economical bases of industry	Geoecological monitoring	<p>Reproduction of soil resources, destroyed with the help of natural and anthropogenic processes. Meliorational methods</p> <p>Target: To research the ecological situations on the Earth and methods of melioration</p> <p>Expected results: To know The ecological soil situation in condition of mechanical and chemical structure Have the skills the influence of exogenous and endogenous factors</p>
15	Geography of tourism	5	Economic and social geography of Kazakhstan, The geography of international economic relations	World Economy Geography	<p>Content: Intended for familiarization with world tourism, its formation, directions of tourist flows. Students learn about the nature, culture, society, economy and tourist advantages of Asia, Africa, Australia, North and South America, etc. The degree to which students are provided with information about travelers on the planet, points of arrival, volume and efficiency is provided.</p> <p>Goal: development and prospects of international tourism industries.</p> <p>Expected result: Be able to: characterize international tourism in the world economic system; Be able to: determine the features of tourist destinations; determine the trends of tourism development in each country;</p>
15	State regulation of tourism development	5	Country study, Economic and social geography of the CIS, География современного мира	Urboekologiya , Geoecological monitoring	<p>Content: Study of the theoretical foundations of the formation and development of tourism and analysis of the system of state regulation of tourism. Considers issues that hinder the effective functioning of tourism in Kazakhstan. Defines recommendations aimed at improving the efficiency of tourism activities in the Republic of Kazakhstan.</p> <p>Purpose: to consider the main directions and forms of regulation of the development of the tourism industry in the direction of the state.</p> <p>Expected result: To know the meaning of the regulation of the sphere of tourism of the state, especially the investments and their application Be able to: reveal the features of investing in the tourism industry and use them features</p>

№ optional component	Name of the discipline	Number of credits	Prerequisites	Post-requisites	A brief description indicating the purpose of the study, brief content and expected results of the study (knowledge, skills, skills, competencies)
Main subject					
Optional components (OC)					
1	Landscape Studies	3	Meteorology with the basics of climatology, General hydrology	Physical geography of Kazakhstan, Anthropogenic Landscape studying	<p>Content: 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>Target: To examine the appearance of natural conditions, possibilities of their changes, influenced on the natural forces, anthropogenic forces</p> <p>Expected results: To know how to conduct the regularities of general land studying and landscape studying, Have the skills: to know the connection between them</p>
1	Geophysics of landscapes	3	Modern problems of physical geography, Biogeography	Physical geography of UIS, Modern problems of climate change	<p>Contents: Reflect the individual characteristics of the landscape, the nature of mineral deposits through plants, the presence of rare chemical elements in the skin of animals and the presence of minerals in the region. Studies the natural features of each of them, dividing the landscape into taxonomic units</p> <p>Purpose: to study the types of landscapes and their geophysical features</p> <p>Expected result: Facts: the geophysical landscape types and value You should know: the prospects for development, changes, and the development of links between them, both in territorial natural complexes and in certain places.</p>
2	Political map of the world	4	Cartography and bases of topography, Geography of population	Political, economic and social geography of the world, World Economy Geography	<p>Content: Students learn the regularities and the main stages of modern political map formation</p> <p>Target: The study of map changing, qualitative changes in political maps</p> <p>Expected results: To know the history of cartography. Qualitative and quantitative changes of the countries</p>

					on the political map.
2	Geopolitics	4	Country study, The history of cartography	Geography of the modern world, Goeconomics	<p>Content: Study of the geopolitical situation and the demarcation and delimitation state of the world's countries. In addition, economic, environmental, social and political issues between countries on the planet are considered.</p> <p>Purpose: to study the basics of world political geography, events and trends in it, the relationship in these issues occurring in the world, with the geopolitical position of Kazakhstan.</p> <p>Expected result:</p> <p>Know: Features of the current political situation in various regions of the world;</p> <p>Be able to: Know the geopolitical consequences arising from the collapse of the USSR for Kazakhstan and other CIS countries</p>
3	Physical geography of East Kazakhstan	5	Physical geography of Kazakhstan, Geomorphology	Physical geography of continents and oceans	<p>Content: Physical and geographical features of the East Kazakhstan: geographical position, characteristics of the geological structure and relief, climate and hydrograph, soil-growth cover</p> <p>Target: To study the physical and geographical position of the East Kazakhstan</p> <p>Expected results:</p> <p>To know the geological arrangement, relief, climate features, inner water, flora and fauna of Kazakhstan</p> <p>Have the skills: The influence of Kazakhstan's intercontinental position on differentiation of local complexes in different taxonomic stage.</p>
3	Geography environmental management	5	Environment protection, Modern problems of physical geography	Recreational geography, Regional geography	<p>Content: on the way to enter the world economic arena, the " seven " and developing countries have only recently begun to use natural resources and rational use of natural resources. This subject sought to use ways of rational use, restoration of depleted and inexhaustible natural components.</p> <p>Purpose: to characterize the creation of an organization and the organization of eco-economic effective measures for the use of natural resources.</p> <p>Expected result:</p> <p>Be able to: efficiently use natural resources in environmental and economic terms.</p> <p>Know: ways to use natural resources effectively</p>
4	Economic and social	5	Economic and	Political,	Content: The main contest of the

	geography of the East Kazakhstan		social geography of Kazakhstan, Geography of population	economic and social geography of the world, World Economy Geography	discipline is social, branch-wise, agricultural structure of the states, its parts or separate regions Target: To study the economic and social position of the UIS Expected results: To know the population, demographic situation of the branch-wise production in the UIS and their development Have the skills: formation and structure of clouds, appearance of the fog, moving and circulation of the air
4	Political and social geography of Kazakhstan	5	Economic and social geography of the CIS, Country study	Geoeconomics, Regional geography	Content: the Basis of the content of students' education in economic and geographical disciplines is the social, sectoral, political, economic and regional structure of States, its parts or individual regions. Purpose: to Study the socio-political situation of Kazakhstan. Studies the composition of the population, the demographic situation and their distribution, the industry of Kazakhstan production and their development. Expected result: Know: political and social situation of Kazakhstan Be able to: Kazakhstan's Role in the global geopolitical situation
5	Physical geography of continents and oceans	5	Physical geography of Kazakhstan, Physical geography of East Kazakhstan	Regional geography, Geoecological monitoring	Content: 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 Target: To study the physical and geographical position of the continents and oceans Expected results: Knowledge The appearance of the continents and oceans, theory of mobility, location and dynamic of the earth's mats, inner water, climate and flora.
5	Recreational geography	5	Environment protection, Geography environmental management	Regional geography, Geoecological monitoring	Content: 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 object of recreational geography – the regional recreational system (RRS) Target: Studying of recreational resources and recreational areas, their communications with regional

					<p>systems, their features and separate subsystems, Petja of management and development prospects</p> <p>Expected results: Knowledge of tourism and rest geography in the world, types of the organization of rest and recreational resources</p> <p>Have the skills: The influence of Kazakhstan's intercontinental position on differentiation of local complexes in different taxonomic stage.</p>
6	Political, economic and social geography of the world	5	Economic and social geography of Kazakhstan, Economic and social geography of the East Kazakhstan	Regional geography, Geoecological monitoring	<p>Содержан Content: 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</p> <p>Target: To learn the development of social economy in the world's countries</p> <p>Expected results: To know the ethnic-religious structure, demographic situation and economic development of countries of the world</p> <p>Have the skills: Political and geographical position of concrete state in political map of the world.</p>
6	Geoeconomics	5	Economic and social geography of the CIS, Geography of the modern world	Regional geography	<p>Contents: geo-Economics considers economic reality in relation to space. This course examines the interaction between homo economicus and space: the influence of spatial factors on the sphere of production and distribution of goods, the use of space for the deployment of economic activities.</p> <p>Goal: geo-Economics will present the economic reality in a way that can be achieved in accordance with the characteristics of space.</p> <p>Expected result:NAT: Fundamentals of geo-economic definitions</p> <p>Be able to: Analyze the nature of economic competition and conflicts at the global level</p>
7	World Economy Geography	6	The geography of international economic relations, Political, economic and social geography of the world	FSA	<p>Contents: the types of farms in the world and its development are considered. Studies the relationship and development of industries, fuel energy, ferrous and non-ferrous metallurgy, agriculture.</p> <p>Purpose: to study the types of farms in the world.</p> <p>Expected result: Know: types of farms in the world and forecast its development and prospects.</p>

					Be able to: features and prospects of development of types of farms
7	Regional geography	6	Geography of the modern world, Geoeconomics	FSA	<p>Content: Studies the structure and dynamics of the geographical envelope in order to scientifically substantiate the optimal ways of territorial organization of society, including population settlement, production placement, effective use of natural resources and conditions of social production, conservation and renewal of these resources and conditions in the interests of modern and future generations, spatial distribution of its components and interaction.</p> <p>Purpose: to Study the optimal ways of territorial organization of society.</p> <p>Expected result:</p> <p>Know: Rational use of natural resources and conditions of social production, placement of production, economic population in the countries of the world</p> <p>Must know: the System of natural and social Sciences that study natural-territorial and territorial-industrial complexes in the geographical envelope of the Earth and their components.</p>
8	Urboekologiya	3	Global geography and fundamentals of environmental management, Geocology and nature protection	FSA	<p>Content: Examination of creation of favourable, natural, psychological, social conditions to the cities' population</p> <p>Target: To learn the ecological position of the world's cities</p> <p>Expected results: Knowledge of complication social position of the inhabitants in accordance to the rise of economic level Have the skills: Change of ecological situation and ways of renewal</p>
8	Geoecological monitoring	3	Environment protection, Soil geoecology	FSA	<p>Content: 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>Target: To learn the ways of light with anthropological change of natural</p>

					<p>environment</p> <p>Expected results: Knowledge of the meaning geoecological monitoring</p> <p>Have the skills: which consist of spiritual relations with the nature world for the personal ecologic professional evolution</p>
--	--	--	--	--	---

LIST OF ELECTIVE COURSES

Form of education: Full-time
Studying term: 4 years

Name of Discipline	Discipline Code	Credits	Semester
General educational disciplines			
Component of choice 1			
Module of economic and legal knowledge		5	2
Basics of a Market Economy and Entrepreneurship	BMEE1111	3	
Fundamentals of law and anti-corruption culture	FACC1111	2	
Component of choice 2			
Module of economic and natural knowledge		5	2
Basics of a Market Economy and Entrepreneurship	BMEE1112	3	
Basics of life safety	BLS1112	2	
Basic disciplines			
Component of choice 1			
Meteorology with bases of climatology	MWBC2211	5	3
Biogeography	BG2211		
Component of choice 2			
General hydrology	GH2212	5	3
Modern problem of the physical geography	MPPG2212		
Component of choice 3			
Geology	Geo2213	5	4
Paleogeography	PG2213		
Component of choice 4			
Cartography and bases of topography	CBT2214	5	4
The history of cartography	HC2214		
Component of choice 5			
Geography of population	GP2215	5	4
Country study	CS2215		
Component of choice 6			
Geomorphology	GM2316	6	5
Environment protection	EP2316		
Component of choice 7			
Physical geography of Kazakhstan	PGK2317	5	5
Physical geography of UIS	PGUIS2317		
Component of choice 8			
Economic and social geography of Kazakhstan	ESGK2318	5	5
Economic and social geography of the CIS	ESGCIS2318		
Component of choice 9			
Global geography and fundamentals of environmental management	GGFEM2319	5	6
Technical and economical bases of industry	TEBI2319		
Component of choice 10			
Geocology and nature protection	GNP2320	5	6
History study of the nature of Kazakhstan	HSNK2320		
Component of choice 11			
The geography of international economic relations	GIER2321	5	6
Geography of the modern world	GMW2321		
Component of choice 12			
Anthropogenic Landscapestudying	AL 2422	5	7
Modern problems of climate change	MPCC2422		
Component of choice 13			
Innovative technologies in teaching geography	ITTG2423	5	7

Methods of calculation and design in geography	MCDG2423		
Component of choice 14			
Geography of soils	GS2424	5	7
Soil geoecology	SG2424		
Component of choice 15			
Geography of tourism	GT2425	5	7
Geography of tourism	GT2425		
Main disciplines			
Component of choice 1			
Landscape Studies	LS3206	3	4
Geophysics of landscapes	GL3206		
Component of choice 2			
Political map of the world	PMW3307	4	5
Geopolitics	GP3307		
Component of choice 3			
Physical geography of East Kazakhstan	PGEK3308	5	6
Geography environmental management	GEM3308		
Component of choice 4			
Economic and social geography of the East Kazakhstan	ESGEK3309	5	6
Political and social geography of Kazakhstan	PSGK3309		
Component of choice 5			
Physical geography of continents and oceans	PGCO3410	5	7
Recreational geography	RG3410		
Component of choice 6			
Political, economic and social geography of the world	PESGW3411	5	7
Geoeconomics	GE3411		
Component of choice 7			
World Economy Geography	WEG3412	6	8
Regional geography	RG3412		
Component of choice 8			
Urboekologiya	UE3413	5	8
Geoecological monitoring	GM3413		