

MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE
REPUBLIC OF KAZAKHSTAN
M. Auezov SOUTH KAZAKHSTAN UNIVERSITY

«APPROVED»
Chairman of the board -
Rector _____
Doctor of historical sciences,
Academician, Kozhamzharova D.P.

«__» _____ 2023

EDUCATION PROGRAMME

7M01560 - Geography

Registration number	7M01500009
Code and classification of the field of education	7M01 - Pedagogical Science
Code and classification of training areas	7M015 - Science Teacher Training
Group of educational programs	M015 - Training Teacher of Geography
Type of EP	-
ISCE level	7
NQF level	7
SQF of education level	7
Language of learning	Kazakh, Russian
Typical duration of study	2 years
Form of study	scientific and pedagogical
The complexity of the EP, not less	120 credits
Distinctive features of EP	-
University Partner (JEP)	-
University Partner (TDEP)	-
Social Partner (DE)	-

Shymkent, 2023.

Developers:

Full name	Position	Signature
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Iskakova L.T	Branch AO NCPK "Orleu" IPKPR po TO and city Shymkent Branch direktor	
Shumenov Ch.A.	General Director «Sairam-Ugam» State National Nature Park	
Myrzaliev Z.K	Head of the Department of the Department "Geography", Candidate of Geographical Sciences. KSPU.	

The EP was considered in the direction of training «Natural sciences, mathematics and statistics» at a meeting of the academic committee, Minutes № ____ «____» _____ 20__ y.

Chairman of the Committee _____ Madiyarov N.K.

The EP was considered and recommended for approval at Educational-methodical meeting of M.Auezov SKU

Minutes # ____ « ____ » _____ 2023 y.

Chairmen of the EMC _____ Abisheva R.D.

Approved by decision of the Academic Council of the University
Minutes # _____ of " ____ " _____ 20__ y.

CONTENTS

1	The programme concept	4
2	Passport of an educational programme	6
3	Graduate competencies EP	9
3.1	Matrix for relating the learning outcomes of the EP as a whole to the competences of the modules	10
4	A matrix of the influence of the disciplines on the formation of learning outcomes and information on workload	12
5	Summary table showing the volume of credits taken by EP module	26
6	Learning strategies and methods, monitoring and evaluation	24
7	Training and resource support for the EP	
	Consent sheet	29
	Annex 1. Review by the employer	30
	Annex 2: Expert Opinion	31

1 PROGRAMME CONCEPT

Mission of the University	We are focused on generating new competencies, training a leader who translates research thinking and culture.
University Values	<ul style="list-style-type: none"> • Openness - open to change, innovation and cooperation. • Creativity - generates ideas, develops them and turns them into values • Academic freedom - free to choose, develop and act. • Partnership - creates trust and support in a relationship where everyone wins. <ul style="list-style-type: none"> • Social responsibility - ready to fulfill obligations, make decisions and be responsible for their results.
Graduate Model	<ul style="list-style-type: none"> • In-depth subject knowledge and its application and continuous expansion in professional activities. • Information and digital literacy and mobility in a fast-changing environment. • Research skills, creativity and emotional intelligence. • Entrepreneurship, autonomy and responsibility for their own activities and well-being. • Global and national citizenship, tolerance of cultures and languages.
Uniqueness of the EP	It consist of a combination os scientific and pedagogical education and innovative teaching methods in geography that provide a high competitive advantage in the future profession
Academic Integrity and Ethics Policy	<p>The University has taken measures to maintain academic integrity and academic freedom, protection from any kind of intolerance and discrimination:</p> <p>Rules of academic integrity (Order No. 212-ҢҚ dated 10.10.2022); Anti-Corruption Standard (Order No. 221-ҢҚ dated 07.12.2021). Code of Ethics (order No. 212-ҢҚ dated 10.10.2022). Anti-Corruption Policy of the NJSC “M. Auezov South Kazakhstan University.” (order No. 144 нқ dated 07.14.2022).</p>
Regulatory and legal framework for the development of EP	<ol style="list-style-type: none"> 1."On Education" No. 319-III dated July 27, 2007; 2. Standard rules of activity of educational organizations implementing educational programs of higher and (or) postgraduate education, approved by Order of the Ministry of Education and Science of the Republic of Kazakhstan dated October 30, 2018 No. 595 3. State obligatory standards of higher and postgraduate education, approved by order of the Ministry of Education and Science of the Republic of Kazakhstan dated July 20.2022 No. 2; 4. Rules for the organization of the educational process on credit technology of training, approved by the Order of the Ministry of Education and Science of the Republic of Kazakhstan dated April 20, 2011 No. 152; 5. Qualification directory of positions of managers, specialists and other employees, approved by the Order of the Minister of Labor and Social Protection of the Population of the Republic of Kazakhstan on December 30, 2020 No. 553. 6. Guidelines for the use of ECTS. 7. Guidelines for the development of educational programs of higher and postgraduate education, Appendix 1 to the order of the Director of the Central Research Institute No. 45 o/d dated June 30, 2021

	7.Guidelines for the Development of Higher and Postgraduate Education Programmes, Annex 1 to Order No. 45 o/d of the Director of the CCPiAM dated 30 June 2021.
Organisation of the educational process	<ul style="list-style-type: none"> • Implementation of the principles of the Bologna Process • Student-centered learning • Availability • Inclusivity
Quality assurance of EP	<ul style="list-style-type: none"> • Internal quality assurance system • Involvement of stakeholders in the development of the EP and its evaluation • Systematic monitoring • Updating the content (updating)
Requirements for applicants	They are established according to the Standard Rules of admission to training in educational organizations implementing educational programs of higher and postgraduate education Order of the Ministry of Education and Science of the Republic of Kazakhstan No. 600 dated 31.10.2018
Conditions for the implementation of educational programs (EP) for persons with disabilities and special educational needs(SSN)	<p>For students with SEN (special educational needs) and persons with disabilities (PSI), tactile PVC tiles, specially equipped toilets, a mnemonic diagram, and shower bars have been installed in educational buildings and student dormitories. Special parking spaces have been created. Crawler lift installed. There are desks for people with limited mobility (PLM), signs indicating the direction of movement, ramps. In the educational buildings (main building, building No. 8) there are 2 rooms with six working places adapted for users with disorders of the musculoskeletal system (DMS).For visually impaired users, the SARA™ CE Machine (2 pcs.) is available for scanning and reading books. The library website is adapted for the visually impaired. There is a special NVDA audio program with a service. The JIC website http://lib.ukgu.kz/ is open 24/7.</p> <p>An individual differentiated approach is provided for all types of classes and in the organization of the educational process.</p>

2 EDUCATION PROGRAMME PASSPORT

Purpose of the EP	Training of highly qualified Masters who are capable of applying innovative technologies in the study of general geographical patterns, inclined to self-development in research and pedagogical activities, and capable of implementing theoretical knowledge.
Objectives of the EP	<ul style="list-style-type: none"> - Training of individual masters with advanced professional qualifications, theoretical and practical knowledge, obtaining a full and high-quality scientific and pedagogical education in the field of geography; - Meeting the intellectual, cultural and moral development needs of the individual through postgraduate education; - to meet the needs of society for qualified professionals in the education and teaching of geography in higher education institutions, capable of combining academic values with entrepreneurial ideas; - developing a favourable educational environment for the professional, cultural and linguistic needs of the students; - To develop a thorough professional understanding of the fundamental disciplines and practical methods for dealing with geography and geography teaching methods and their applications in science teaching; - Increased knowledge of applied and theoretical geographical science. - To develop fundamental knowledge, skills and abilities in geographical studies and teaching methods in the relevant disciplines, which are necessary for professional activities; -preparation for professional activity at a higher education institution, research institute, workplace or for doctoral studies.
Harmonisation of the EP	<ul style="list-style-type: none"> • Level 7 of the National Qualifications Framework; • Dublin Descriptors Level 7 qualifications; • Cycle 2 of the A Framework for Qualification of the European Higher Education Area; • Level 7 of the European Qualifications Framework for Lifelong Learning (The European Qualifications Framework for Lifelong Learning).
Linking EP to the professional sphere	Sectoral Qualifications Framework Education, approved by Minutes No. 2 of the meeting of the Sectoral Tripartite Commission on Social Partnership and Regulation of Social and Labour Relations under the Ministry of Education and Science of the Republic of Kazakhstan, dated 23 November 2016.
Name of degree to be awarded	Upon successful completion of this degree programme, the graduate is awarded a Master of Education degree in Educational Programme 7M01560-Geography.
List of qualifications and positions	<ul style="list-style-type: none"> - Lecturer (assistant); - researcher - educational moderator - expert teacher - educational researcher
The scope of	- education

professional activities	<ul style="list-style-type: none"> - science - directorate
Objects of professional activity	<ul style="list-style-type: none"> - Secondary education organisations of all types and types, irrespective of ownership and departmental subordination; - Technical and vocational education organisations; - Higher education institutions; - Research institutes; - Institutes of further education and retraining of educational personnel; - Authorised and local executive authorities in the field of education.
Subjects of professional activity	<ul style="list-style-type: none"> - the organisation of training and education - geographical research and monitoring; - Activities to support innovative processes in education management.
Types of professional activity	<ul style="list-style-type: none"> - Educational (pedagogical); - Educational; - Educational and technology; - Social pedagogical; - Research; - organisational and managerial.
Learning outcomes	<p>LO1. Analyse the main philosophical and methodological problems, including those of an interdisciplinary nature, arising in science at the present stage of its development, evaluate various facts and phenomena on the basis of the provisions and categories of philosophy of science;</p> <p>LO2. Use a foreign language in interpersonal communication, communicate information, ideas, conclusions, problems and solutions to professionals and non-specialists alike;</p> <p>LO3. Use staff effectively in the organisation, master the social-psychological techniques of mass behaviour management.</p> <p>LO4. Apply research methodologies, effective teaching methodologies in geographical disciplines, critically evaluate the scientific organisation of work of a higher education teacher.</p> <p>LO5. Use modern geographical science in the context of sustainable development when describing physical and socio-economic processes observed in nature and society;</p> <p>LO6. Carry out assessments of natural, natural-anthropogenic, economic and territorial-production systems at regional and local levels on the basis of statistical, economic and social data monitoring and geographical research methods;</p> <p>LO7. Design and implement forms and methods of quality control of education, various types of control and measurement tools based on advanced learning technologies and digital technologies;</p> <p>LO 8: Solve research and teaching problems by demonstrating a mastery of the methodological foundations of geography.</p>

3. GRADUATE COMPETENCES OF THE EP

SOFTSKILLS - Behavioural and personal skills	
SS 1. Competence in managing one's own literacy	SS1.1.Ability to self-learn, self-develop and constantly update their knowledge within the framework of a chosen trajectory and in an interdisciplinary environment. SS1.2 The ability to express thoughts, feelings, facts and opinions in a professional sphere. SS1.3. Ability to be mobile in today's world and to think critically.
SS 2. Language competence	SS2.1. The ability to build communication programmes in the state language, in Russian and in a foreign language. SS2.2. Ability for interpersonal social and professional communication in an intercultural environment.
SS 3. Mathematical competence and competence in the field of science	SS3.1: Ability and readiness to apply the educational potential, experience and personal qualities acquired during the study of mathematics, natural science and technical disciplines in higher education to solve professional problems.
SS 4. Digital competence, technological literacy	SS4.1 The ability to demonstrate and develop information literacy through mastering and using modern information and communication technologies in all spheres of one's life and professional activities. SS4.2.Ability to use different types of information and communication technology: Internet resources, cloud and mobile services for searching, storing, protecting and disseminating information.
SS 5. Personal, social and learning competences	SS5.1.1.Ability to develop physical self-improvement and a healthy lifestyle orientation to ensure full social and professional activity through the methods and means of physical education. SS5.2. The ability to develop social and cultural skills on the basis of civic and moral awareness. SS5.3 The ability to build a personal lifelong learning trajectory for self-development, career development and professional success. SS5.4 The ability to interact successfully in a variety of socio-cultural contexts during study, work, home and leisure activities.
SS 6. Entrepreneurial competence	SS6.1 The ability to be creative and entrepreneurial in a variety of environments. SS6.2 The ability to work under uncertainty and rapidly changing conditions, to make decisions, to allocate resources and to manage one's time. SS6.3. Ability to work with consumer requests.
QA 7. Cultural awareness and ability to express oneself	SS7.1. The ability to demonstrate a world outlook, civic and moral attitude. SS7.2 The ability to be tolerant of the traditions and cultures of other peoples of the world, with high spiritual qualities.

Professional Competencies (HARDSKILLS).

PC1 Research and development	The ability to appreciate the role of science in the development of civilisation, to identify the relationship between science and technology and related social problems in terms of scientific rationality and its historical principles;
PC 2. Organisational and managerial;	Ability to apply modern knowledge in organisational and management work in education, science and culture;
PC 3. Project and production	Ability to apply modern methods of processing and interpreting geographical information in applied research;
PC4 Administrative and pedagogical	<ul style="list-style-type: none"> - be able to select the content of geographical education depending on the learning profile, to design and organise the educational process; - be competent in selecting, adapting and modifying innovative methods and technologies for teaching geography in higher education institutions, colleges and other educational institutions;
PC5 Innovative	<p>-ability to use innovative solutions in the development of new technologies, ability to perform an assessment of innovative commercial risks in the implementation of new solutions in the development of technologies for various fields of activity; ability to develop plans and programmes for the organisation of innovation activities of scientific teams.</p> <p>be able to use modern methods for processing and interpreting geographical information in applied research;</p>

3.1 Matrix for relating the learning outcomes of the whole EP to the competences of the modules

	LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10
SS1	+	+	+				+	+		
SS 2	+	+	+				+	+		
SS 3				+	+	+				
SS 4				+	+	+		+		
SS 5		+	+	+						
SS 6		+	+	+						
SS 7	+				+	+	+		+	+
PC1	+					+	+			
PC2				+					+	+
PC 3						+	+			
PC4					+			+		+
PC5	+		+					+		

				thinking: consideration and study of the logic of arguments. Formation of critical reflective thinking and metacognitive abilities.										
BD	HsC	Foreign language (professional)	<p>The aim of the discipline: Systematic deepening of communicative competence within the framework of international standards of foreign language education on the basis of further development of skills and abilities of active language use in professional activities.</p> <p>Content: B2, C1 levels are presented as pragma-professional orientation for professional and academic purposes at advanced level: scientific information base, interpretation of scientific information, argumentation, persuasion, scientific controversy, academic writing. Use of innovative methods and technologies, involvement of modern means, Internet resources.</p>	4		<input type="checkbox"/>								
BD	HsC	Foreign Language (Professional) /	<p>The aim of the discipline: To acquire knowledge of psychological management and to develop skills in the management of human resources of the organisation.</p> <p>Content: The development of psychological theories of management. Psychological characterisation of personnel. Psychology of employee motivation. Technologies of management of human resources of an organization. Psychological support of human resources policy of an organization. Psychology of conflict in the organization. Technologies of prevention of professional deformation of personality. Practical implementation in the form of creating diagnostic tools, development of digital methods of management training, management</p>	4		<input type="checkbox"/>								

				consulting.									
	BD	HsC	Higher School Pedagogy	<p>The aim of the discipline: Formation of professional and pedagogical culture of a university teacher, general pedagogical competences, familiarization of undergraduates with theoretical and methodological bases of pedagogy of higher school, technologies of planning, organization and management of educational process in higher education institution.</p> <p>Contents: Modern paradigms of education, history and recent trends in the development of higher professional education in the world and in Kazakhstan. Genesis and methodology of pedagogy of higher education, competences of higher education teacher. Problems of university didactics, problems of organizing educational work with students, managing a modern university. Modern approaches and methods of teaching and organization of students' learning activities, assessment of learning achievements.</p>	4				<input type="checkbox"/>			<input type="checkbox"/>	
Module Methodical Basics of Teaching	PD	HsC	Teaching Methods of Special Disciplines	<p>The aim of the discipline: Formation of professional-pedagogical competence and methodological preparation of Master students for future pedagogical activity in the new socio-economic conditions.</p> <p>Content: Peculiarities of the construction of objectives, content, application of modern methods, methodologies and organisational forms of teaching core disciplines. Methodology of organising and conducting various types of classes. Development of course programmes, methodological support of profile disciplines. Methodology of organization and implementation of control and</p>	5				<input type="checkbox"/>			<input type="checkbox"/>	

				quality of training on special disciplines in higher education institution.									
			Pedagogical Practice	<p>The aim of the discipline: To master the pedagogical skills, to develop the skills of independent teaching and educational activities in higher education.</p> <p>Content: Study of the teaching experience of the leading teachers of the university. Independent teaching sessions, supervision of students' research work. To apply the skills of collecting and accumulating empirical material, structuring, systematising knowledge and presenting it in different ways. To improve the skills of public speaking and presentation of reporting documentation.</p>	4							<input type="checkbox"/>	<input type="checkbox"/>
Cycle of basic disciplines/ Optional component													
Module New Innovative Technologies in Teaching Geography	BD	EC	Geographical Science in the Context of Sustainable Development	<p>The aim of the discipline: to develop modern geographical ideas in the context of sustainable development in the field of scientific ideology and application, based on the synthesis and revision of theoretical knowledge acquired.</p> <p>Content: Natural and Cultural Heritage in National Geography. Natural and cultural heritage as a fundamental geographical category. The condition for the sustainable, ecologically balanced development. Regional studies as a means of formation of the culture of sustainable development. Global problems within the concept of sustainable development of geographical science. The concept of sustainable development and connection of geographical science.</p>	4						<input type="checkbox"/>	<input type="checkbox"/>	
	BD	EC	Political Geography and Globalization of Modern World	<p>The aim of the discipline: to deepen knowledge of the globalisation of the modern world in political geography, its environmental,</p>	4							<input type="checkbox"/>	<input type="checkbox"/>

			economic and political processes and issues. Content: The problems of globalisation of the modern world and the shape of the structure of political geography. Political geography and the main problems of development of geopolitical processes. Geopolitical and geographical aspects of economic integration. International and foreign economic relations in modern politics. Driving forces of globalization, political-geographical "dimension" of global problems.										
	BD	EC	New educational technologies in process of Teaching Geography	Purpose of the discipline: To explore new educational and assessment technologies in the geography teaching process. Content: Modern learning technologies and their distinctive characteristics and features. Formation of cognitive activity with the use of new technologies in the educational process. Application of innovative technologies of training and education at lessons and in extracurricular activities. Ways of assessing the educational process and learning outcomes.	6				<input type="checkbox"/>	<input type="checkbox"/>			
	BD	EC	Theoretical foundations of geographic education	The aim of the discipline: To form knowledge of the theoretical foundations of geophysical education, the problems of globalisation and its reflection in modern geography. development of scientific thinking. Content: The evolution of geographical thought. The direction of scientific inquiry. The role of theoretical research in geographical science. Spatial trend of thinking in geography. Main models of university geography in countries of the world. The concept of development of general geographical education in RK	6				<input type="checkbox"/>	<input type="checkbox"/>			
Module Geographic Patteps	BD	EC		The aim of the discipline: To develop the	5					<input type="checkbox"/>	<input type="checkbox"/>		

			<p>Territorial Planning and Environmental Management</p>	<p>skills to draw up a territorial environmental management plan and management model in geographical science.</p> <p>Contents: Concept and essence of spatial planning. Integrated assessment of the territory as a basis for spatial planning. The main aspects of territorial planning of nature use. The main components of the mechanism of nature management. The natural resource potential of the territory. Water, soil and land resources, opportunities for their allocation and use. Subsoil resources, plant and animal resources, opportunities for their allocation and use.</p>										
	BD	EC	<p>Soil Erosion and Degradation</p>	<p>The aim of the discipline: Examines the causes of the effects of modern soil change, erosion and degradation processes and ways of dealing with them.</p> <p>Content: Processes of erosive soil degradation: erosion and deflation processes, types of soil degradation, cause of their occurrence and development, measures for soil protection. Theoretical bases of erosion-accumulative processes. Ecological and economic aspects of soil protection from erosion and deflation. Solution of practical tasks on ecologically balanced use of eroded and erosion-prone lands.</p>	5					<input type="checkbox"/>	<input type="checkbox"/>			
Module Geographical Patterns	PD	EC	<p>Forecasting and modelling in geography</p>	<p>The aim of the discipline: to develop skills in geographical forecasting within the framework of deepening knowledge of modern methods of geographical research.</p> <p>Content: Fundamentals of modelling in geography. Geographical patterns and the modelling process. Classification of patterns. Features of mathematical and cartographic modeling. Application of geographic</p>	5					<input type="checkbox"/>				

			information systems in modeling. Model of industry allocation. Models of urban geography. Structural analysis of natural systems. Risk assessment in geographic forecasting. Experimental model building and analysis.										
DP	EC	Earth Development and Geographic Patterns	<p>The aim of the discipline: To develop the ability to apply scientific approaches to the study of the geographical patterns of the Earth's development; to develop scientific research skills</p> <p>Content: forming one's own conclusions and attitudes in the development of the Earth. The role of endogenous and exogenous processes in the formation of the shape of the planet Earth. The essence and significance of general geographical regularities in the formation of the Earth. The Earth in the Solar System. Development of geographical envelope and its classification. Circulation of matter and energy. Landscape-forming processes. Cosmic predictions: theory of global evolution of the Earth. Mobilism; zonal, azonal and intonal laws and their manifestations.</p>	5					<input type="checkbox"/>	<input type="checkbox"/>			
		Research Practice	<p>Objective: To consolidate the theoretical knowledge gained and to acquire practical skills and experience to identify and formulate a scientific problem, research it and justify solutions.</p> <p>Content: Organisation of scientific research in accordance with the modern methodology of science, observance of the stage and logic of scientific research in accordance with the applied objectives of the Master's project. Develops the ability to experiment and summarise the results of research work in the</p>	6				<input type="checkbox"/>					<input type="checkbox"/>

				form of scientific publications, to defend his/her position in discussions and to make decisions of professional nature. Develops creativity, creativity and initiative.									
Theory and Practice of Geographical Sciences	PD	EC	Methods of Geographical Researches	<p>The aim of the discipline: to deepen knowledge of the methods of geographical research in the field of nature and natural-anthropogenic systems, the methodology of scientific research, development of scientific thinking</p> <p>Contents: Methods of geographical research of natural and natural-anthropogenic systems. Methods and techniques of studying geography, classification of methods of geographical research. Methods of landscape studies as field studies. Social and economic studies. Modern technologies in the study of the natural environment (GIS, remote sensing, etc.).</p>	5				<input type="checkbox"/>				<input type="checkbox"/>
	PD	EC	Theory and Practice of Geographical Research	<p>The aim of the discipline: to deepen the knowledge of Master students about the theory and practice of geographical research and to develop their research skills.</p> <p>Contents. Theory and practice of scientific research. Methods of geographical research of natural and natural-anthropogenic systems. General concepts of the methods of studying the natural environment and society. Interrelation of phenomena in nature and society as the basis for theoretical prerequisites for identification and analysis of territorial combinations of productive forces.</p>	5				<input type="checkbox"/>				<input type="checkbox"/>
	PD	EC	Technology for Modeling modern EP	<p>The aim of the discipline: to develop methodological and creative professional thinking in modelling contemporary educational programmes.</p>	6				<input type="checkbox"/>			<input type="checkbox"/>	

			<p>Content: Concepts and definition of "informatisation of education". Principles of using modern technologies of modern educational programmes; Scientific potential in technology modeling of educational programmes. Ways of analysis and evaluation of different theories, concepts, approaches to building a system of lifelong learning. Modern technologies of modeling educational programmes.</p>										
PD	EC	Modern Paradigms of Geographical Education	<p>The aim of the discipline is to develop methodological and creative orientation of professional thinking and readiness to use systematized knowledge and skills of students in the field of paradigms of geographical education in professional activity, Contents: Logical structure of educational process. Functions of a geography teacher and student in different models of education. Selection of effective technologies for implementation of person-centered, activity-oriented, culturological and competence-based approaches in geographical education.</p>	6				<input type="checkbox"/>				<input type="checkbox"/>	
PD	EC	Theoretical and Methodological Problems of Geography	<p>The aim of the discipline: consideration of the methodological problems of geography on the basis of a holistic system of interrelated natural and social sciences. Content: Philosophical and methodological issues of geographical sciences. Theoretical understanding of geography as an integral system of interrelated natural and social disciplines. Modern methodological foundations and problems of geographical science. Approaches to solving the problem of geography theorizing: activity, model, cybernetic, system, geosituational approaches,</p>	6				<input type="checkbox"/>				<input type="checkbox"/>	

Module Theory and Practice of Geographical Sciences				the concept of theoretical geography.										
	PD	EC	History and Methods of Modern Geomorphology	<p>The aim of the discipline: To form a system of knowledge about the Earth's topography, the interaction of endogenous and exogenous processes.</p> <p>Content: Diversity of landforming processes. Peculiarities of the history of modern land relief formation. Land and ocean bottom relief forms. Features of the relief rank morphosculture. A brief history of knowledge about relief. Methodological principles for studying and classifying relief. Geomorphological studies by W. Davis, W. Penk and Russian scientists. Spatial and temporal analysis in geomorphology. System analysis in geomorphology. Geomorphological forecasting.</p>	6						<input type="checkbox"/>	<input type="checkbox"/>		
Module Concept of Sustainable development and modern problems of geographical science	DP	EC	Geodynamic Processes and Natural Disasters	<p>The aim of the discipline: to provide Master students with knowledge of geodynamic processes, methods of forecasting and modelling their consequences, defining protective measures and methods.</p> <p>Content: Geodynamic processes and their consequences. Methods of prediction and modelling of geodynamic processes. Preventive protective measures and methods of protection. Natural disasters. Prevention and elimination of the consequences of emergencies. Global threats and emergencies on Earth. Agroclimatic hazards and risks. Methods for determining the intensity of various hazardous processes and measures to reduce hazards from them.</p>	5						<input type="checkbox"/>	<input type="checkbox"/>		
	PD	EC	Landscape studies and the study of geosystems	<p>The aim of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.</p>	5						<input type="checkbox"/>	<input type="checkbox"/>		

				management. project closure.									
PD	EC	Scientific and theoretical basics of Study of the Sacred Geography of Turkestan region	<p>The aim of the discipline: To conduct research and expertise on the level of study based on defining the scientific-theoretical foundations of the geography of sacred places in Turkestan province.</p> <p>Contents: Sacred sites of Turkestan province. Objects to be studied. The Rukhani Zhangyru: Bolashakka Baghdar" and the sacred geography of each region. The importance of the geography of sacred places in education and upbringing. Scientific-theoretical foundations of research on sacred places. Sacred places as an instrument of formation of national identity of the state. Scientific definition of the status of sacred places in Turkestan region at the international, national and local levels.</p>	5							<input type="checkbox"/>		<input type="checkbox"/>
PD	EC	Geographic Problems of Environment Management and Forecasting	<p>The aim of the discipline: to examine the main trends in the development of modern environmental management, defining the role, place and significance of economic geography in solving problematic issues.</p> <p>Content: Geographical problems of environmental management and forecasting. Territorial problems of resource and regional management. Ecological problems of post-industrial world. Global problems of modern stage of development of a world civilization. The concept of sustainable development of the modern world. Features and sustainable regional development of regional management.</p>	5							<input type="checkbox"/>		<input type="checkbox"/>
PD	EC	Actual problems of modern geography	<p>The aim of the discipline: to acquaint with the main problems and directions of development of modern geographical science and to become a general methodological prerequisite for training in various geographical specializations</p>	5					<input type="checkbox"/>	<input type="checkbox"/>			

**5.SUMMARY TABLE SHOWING THE VOLUME OF CREDITS TAKEN UP BY
MODULE EP**

Course of Study	Semester	The number of mastered modules	The number of studied disciplines		Number of KZ credits					Total hours	Total KZ credits	The number of	
			BK	KB	Theoretical training	Pedagogical Practice	Research Practice	Master Research	Final examination			exam	dif.credit
1	1	4	5	2	29			1		900	30	6	2
	2	4		4	22	4		4		900	30	4	2
2	3	3		2	11		6	3		600	20	2	2
	4	1		3	16			4		600	20	3	1
	5	1						12	8	600	20		1
Total			5	11	78	4	6	24	8	3600	120	15	8

6. LEARNING STRATEGIES AND METHODS, MONITORING AND EVALUATION

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

APPROVAL SHEET
in education programme 7M01560 - Geography

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