## MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLICOF 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 - PedagogicalScience
Code and classification of	
training areas	7M015 - ScienseTeacherTraining
Group of educational programs	M015 - Training Teacher of Geography
Typeof 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,	120 credits
not less	
Distinctive features of EP	-
University Partner ( JEP )	-
University Partner (TDEP)	-
Social Partner ( DE )	-

Shymkent, 2023.

#### **Developers:**

Full name	Position	Signature
IsayevE.B	Head of thechair, c.b.s, associate	
	Professor	
Tasbolat B	Doktor of Geographic Sciences,	
	assistant professor	
Kenzhbai R.N	Candidate of Pedagogic Sciences,	
	assistant professor	
Togizbay B.A	Master student 2-courses	
	Group MEP–21-15nk	
Zhunis A.B	Master student 2-courses	
	Group MEP–21-15nk	
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	
Myrzalieva 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  $N_{2}$  —  $(w_{2})^{*}$  —

Chairman of the Committee \_\_\_\_\_ Madiyarov N.K.

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

Minutes <u># « » 2023 y.</u>

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 awhole 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	We are focused on generating new competencies, training a leader
University	who translates research thinking and culture.
University Values	• 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.
	• Social responsibility - ready to fulfill obligations, make decisions and be
	responsible for their results.
Graduate Model	• 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
Cinqueness of the Er	and innovative teaching methods in geography that provide a high
	competitive advantage in the future profession
	competitive advantage in the future profession
Academic Integrity	The University has taken measures to maintain academic integrity and
and Ethics Policy	academic freedom, protection from any kind of intolerance and
·	discrimination:
	Rules of academic integrity (Order No. 212-нқ dated 10.10.2022);
	Anti-Corruption Standard (Order No. 221-нқ dated 07.12.2021).
	Code of Ethics (order No. 212-нқ dated 10.10.2022).
	Anti-Corruption Policy of the NJSC "M. Auezov South Kazakhstan
	University." (order No. 144 ng dated 07.14.2022).
Regulatory and legal	1."On Education" No. 319-III dated July 27, 2007;
framework for the	2. Standard rules of activity of educational organizations
development of EP	implementing educational programs of higher and (or) postgraduate
development of Li	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
	<b>C</b> 1
	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	Implementation of the principles of the Bologna Process
educational process	Student-centered learning
	• Availability
	• Inclusivity
Quality assurance of EP	Internal quality assurance system
	• Involvement of stakeholders in the development of the EP and its
	evaluation
	Systematic monitoring
	• Updating the content
	(updating)
<b>Requirements for</b>	They are established according to the Standard Rules of admission to
applicants	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
	For students with SEN (special educational needs) and persons with
—	disabilities (PSI), tactile PVC tiles, specially equipped toilets, a
1 8	mnemonic diagram, and shower bars have been installed in
	educational buildings and student dormitories. Special parking spaces
educational needs(SSN)	have been created. Crawler lift installed. There are desks for people
cuucational necus(BBIA)	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
	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 <sup>TM</sup> 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.
	An individual differentiated approach is provided for all types of
	classes and in the organization of the educational process.
	classes and in the organization of the educational process.

## 2 EDUCATION PROGRAMME PASSPORT

<b>Purpose of the EP</b>	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.
<b>Objectives of the EP</b>	- 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	• Level 7 of the National Qualifications Framework;
EP	<ul> <li>Dublin Descriptors Level 7 qualifications;</li> </ul>
	• 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 Qualifications
	Framework for Lifelong Learning).
Linking EP to the	Sectoral Qualifications Framework Education, approved by Minutes
professional sphere	No. 2 of the meeting of the Sectoral Tripartite Commission on
r- stopping prior o	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	Upon successful completion of this degree programme, the graduate
awarded	is awarded a Master of Education degree in Educational Programme
	7M01560-Geography.
List of qualifications	- Lecturer (assistant);
and positions	- researcher
_	- educational moderator
	- expert teacher
	- educational researcher
The scope of	- education

professional activities	- science
professional activities	- directorate
<b>Objects of professional</b>	- Secondary education organisations of all types and types,
activity	irrespective of ownership and departmental subordination;
activity	- 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	- the organisation of training and education
activity	- geographical research and monitoring;
	- Activities to support innovative processes in education
	management.
Types of professional	- Educational (pedagogical);
activity	- Educational;
	- Educational and technology;
	- Social pedagogical;
	- Research;
	- organisational and managerial.
Learning outcomes	<b>LO1.</b> 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;
	<b>LO2.</b> Use a foreign language in interpersonal communication,
	communicate information, ideas, conclusions, problems and
	solutions to professionals and non-specialists alike;
	LO3. Use staff effectively in the organisation, master the social-
	psychological techniques of mass behaviour management.
	LO4. Apply research methodologies, effective teaching
	methodologies in geographical disciplines, critically evaluate the
	scientific organisation of work of a higher education teacher.
	<b>LO5.</b> Use modern geographical science in the context of sustainable
	development when describing physical and socio-economic
	processes observed in nature and society;
	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;
	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;
	<b>LO 8:</b> Solve research and teaching problems by demonstrating a
	mastery of the methodological foundations of geography.
	muster j or me memodological roundations or geography.

### 3. GRADUATE COMPETENCES OF THE EP

SOFTSKILLS - Behavioural and	personal skills
SS 1. Competence in managing one's own literacy	<ul><li>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.</li><li>SS1.2 The ability to express thoughts, feelings, facts and opinions in a professional sphere.</li><li>SS1.3. Ability to be mobile in today's world and to think critically.</li></ul>
SS 2. Language competence	<ul><li>SS2.1. The ability to build communication programmes in thestate language, in Russian and in a foreign language.</li><li>SS2.2. Ability for interpersonal social and professional communication in an intercultural environment.</li></ul>
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	<ul> <li>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.</li> <li>SS5.2. The ability to develop social and cultural skills on the basis of civic and moral awareness.</li> <li>SS5.3 The ability to build a personal lifelong learning trajectory for self-development, career development and professionalsuccess.</li> <li>SS5.4 The ability to interact successfully in a variety of sociocultural contexts during study, work, home and leisure activities.</li> </ul>
SS 6. Entrepreneurial competence	<ul><li>SS6.1 The ability to be creative and entrepreneurial in a variety of environments.</li><li>SS6.2 The ability to work under uncertainty and rapidly changing conditions, to make decisions, to allocate resources and to manage one's time.</li><li>SS6.3. Ability to work with consumer requests.</li></ul>
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).

DC1 Desservels and	The shiller to approvide the role of science in the desidence of						
PC1 Research and							
development	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	Ability to apply modern knowledge in organisational and						
managerial;	management work in education, science and culture;						
PC 3. Project and	Ability to apply modern methods of processing and interpreting						
production	geographical information in applied research;						
PC4 Administrative and	- be able to select the content of geographical education depending on						
pedagogical	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	-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.						
	be able to use modern methods for processing and interpreting						
	geographical information in applied research;						

modules	LO1	LO2	L03	LO4	LO5	LO6	L07	L08	LO9	LO10
SS1	+	+	+				+	+		
SS 2	+	+	+				+	+		
SS 3				+	+	+				
SS 4				+	+	+		+		
SS 5		+	+	+						
SS 6		+	+	+						
SS 7	+				+	+	+		+	+
PC1	+					+	+			
PC2				+					+	+
PC 3						+	+			
PC4					+			+		+
PC5	+		+					+		

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

4. Matrix of the impact of the disciplines on the formation of learning outcomes and information on workload
--

Module name	Cyc le	Com pone	Name discipline	Brief description of the discipline	lits	Formative learning outcomes (codes)							
		nt			Number of credits		LO2	LO3	LO4	L05	LO6	L07	LO8
Cycle of basic	discipl	ines											
The university	compo	nent											
Scientific and Pedagogical Training	BD	HsC	History and Philosophy of Science/	The aim of the discipline: The study of the phenomenon of science as a subject of special philosophical analysis, the regularities and trends of the special activity of producing scientific knowledge, taken in a socio-cultural context. Content: Identification of the specificity and interrelation of the main problems of the history and philosophy of science. Studying the regularities of the development of science and the structure of scientific knowledge, methods of scientific research. Knowledge of the main concepts and trends of the non-classical and post-non-classical stage of science development. Analysis of realities of modern theory and practice on the basis of comprehension of methodology of natural- science, socio-humanitarian and technical knowledge. Critical thinking as a prerequisite for development and functioning of modern society. Techniques for developing critical	4								

			thinking: consideration and study of the logic						
			of arguments. Formation of critical reflective						
			thinking and metacognitive abilities.						
BD	U.C.	Ecroice		4					
БЛ	HsC	Foreign	The aim of the discipline: Systematic	4					
		language	deepening of communicative competence						
		(professional)	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.						
			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.						
BD	HsC	Foreign	The aim of the discipline: To acquire	4					
		Language	knowledge of psychological management and						
		(Professional) /	to develop skills in the management of human						
			resources of the organisation.						
			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						
 l			methods of management training, management		l				

				consulting.					
	BD	HsC	Higher School	The aim of the discipline: Formation of	4				
			Pedagogy	professional and pedagogical culture of a					
			0.05	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.					
				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.					
Module	PD	HsC	Teaching	The aim of the discipline: Formation of	5				
Methodical			Methods of	professional-pedagogical competence and					
Basics of			Special	methodological preparation of Master students					
Teaching			Disciplines	for future pedagogical activity in the new					
				socio-economic conditions.					
				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					

				quality of training on special disciplines in higher education institution.						
			Pedagogical	The aim of the discipline: To master the	4					
			Practice	pedagogical skills, to develop the skills of						
				independent teaching and educational activities in higher education.						
				<b>Content:</b> 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						
Cycle of basic	disain	inos/		reporting documentation.						
Optional com	ponent					_				
Module New	BD	EC	Geographical	The aim of the discipline: to develop modern	4					
Innovative			Sciense in	geographical ideas in the context of sustainable						
Technologie			the Context	development in the field of scientific ideology						
s in			of	and application, based on the synthesis and						
Teaching			Sustainable	revision of theoretical knowledge acquired.						
Geography			Development	<b>Content</b> : 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.						
	BD	EC	Political	The aim of the discipline: to deepen	4					
			Geography	knowledge of the globalisation of the modern						
			and	world in political geography, its environmental,						
			Globalizati							
			on of							
			Modern							
			World							

				economic and political processes and issues. <b>Content:</b> 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	<ul> <li>Purpose of the discipline: To explore new educational and assessment technologies in the geography teaching process.</li> <li>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.</li> </ul>	6				
	BD	EC	Theoretical foundations of geographic education	The aim of the discipline: To form knowledge of the theoretical foundations of georaphysical 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					
Module Geographic Pattepns	BD	EC		The aim of the discipline: To develop the	5				

			Territorial Planning and Environmen tal Managemen	skills to draw up a territorial environmental management plan and management model in geographical science. <b>Contents:</b> 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.					
	BD	EC	Soil Erosionand Degrada tion	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. 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.					
Module Geographical Patterns	PD	EC	Forecasting and modelling in geography	The aim of the discipline: to develop skills in geographical forecasting within the framework of deepening knowledge of modern methods of geographical research. Content: Fundamentals of modelling in geography. Geographical patterns and the modelling process. Classification of patterns. Features of mathematical and cartographic modeling. Application of geographic	5				

			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		<b>The aim of the discipline:</b> 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	5				
			<b>Content:</b> 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.					
		Research Practice	<b>Objective:</b> 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. <b>Content:</b> 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	6				

				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 Geographic al Sciences	PD	EC	Methods of Geographical Researches	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 <b>Contents:</b> 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.).	5				
	PD	EC	Theory and Practice of Geographical Research	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. 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.	5				
	PD	EC	Technology for Modeling modern EP	The aim of the discipline:to developmethodological and creative professionalthinking in modelling contemporaryeducational programmes.	6				

		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       modeling
PD		programmes.     Image: Constraint of the discipling is to develop of
	Paradi Geogra Educ	gms of 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, <b>Contents:</b> 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.
PD	Method 1 Probl	cal and The aim of the discipline: consideration of 6

and Practice of Geographical Sciences       PD       EC       History and Methods of Modem       The aim of the discipline: To form a Methods of Modem       6	Module Theory				the concept of theoretical geography.					
Geographical Sciences       Lo       Methods of Modem       system of knowledge about the Earth's topography, the interaction of endogenous and exogenous processes.       Image: Content Diversity of Landforming processes. Decularities of the history of modem Land relief formation. Land and ocean bottom relief forms. Features of the relief rank morphosculpture. A brief history of nowledge about relief. Methodological principles for studying and classifying relief. Geomorphology: But and the morphology. System analysis in geomorphology. System and modem problems of geographical science       DP       EC       Geodynamic Processes and Natural Disasters       The aim of the discipline: to provide godynamic processes, methods of forecasting and modelling their consequences, defining protective measures and methods. Content: Geodynamic processes, nethods of protecesses. Preventive protective measures and methods, of protection. Natural disasters. Prevention and elimination of the consequences of remergencies. 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.       5       Image:			EC	History and		6				
Sciences       Modem       topography, the interaction of endogenous and exogenous processes.         y       Sciences       y       Content: Diversity of landforming processes.         y       Peculiarities of the history of modern land releif formation. Land and ocean bottom relief forms. Features of the relief rank morphosculture. A brief history of howledge about relief. Methodological principles for studying and classifying relief. Geomorphological advisities by W. Davis, W. Penk and Russian scientists. Spatial and temporal analysis in geomorphology. System and modelling their consequences. defining protective measures and methods of protection and modelling of geodynamic processes. Preventive measures and methods of protection. Natural bisasters. Prevention and elimination of the consequences of methods.         v       PD       EC       Landscape study of geodynamic processes and measures to reduce hazards from them. Scientific-theoretical foundations of landscape and geosystem science.       5		ID	LC	•		0				
Module       DP       EC       Geodynamic processes of the relief rank morphosculpure. A brief history of Mowledge about relief. Methodological principles for studying and classifying relief. Geomorphology. System analysis in geomorphology. Geomorphological studies by W. Davis, W. Penk and Russian scientists. Spatial and temporal analysis in geomorphology. System analysis in geomorphology. Geomorphological studies by W. Davis, W. Penk and Russian scientists. Spatial and temporal analysis in geomorphology. System analysis in geomorphology. Geomorphological studies by W. Davis, W. Penk and Russian scientists. Spatial and temporal analysis in geomorphology. Geomorphological studies by W. Davis, W. Penk and Russian achertist. Spatial and temporal analysis in geomorphology. Geomorphological studies by W. Davis, W. Penk and Russian achertists. Spatial and temporal analysis in geomorphology. Geomorphological studies by W. Davis, W. Penk and Russian achertists. Spatial and modelling their consequences, defining and modelling their consequences. Methods of protective measures and methods. Content: Geodynamic processes. Proventive protective measures and methods of protective nature students with knowledge of geodynamic processes. Proventive protective measures and methods of protective natures and methods of protective natures and methods of protective natures and methods of protective measures and methods of protective natures to reduce hazards from them.         PD       EC       Landscape studies bit here and geosystem scientific-theoretical foundations of landscape and geosystem sci	•									
Module       DP       EC       Geodynamic Processes and Natural Disasters       The aim of the discipline: to provide geodynamic processes and measures to reduction the consequences of studying and classifying relief.       5         Module       DP       EC       Geodynamic Processes and Natural Disasters       The aim of the discipline: to provide protection. Natural disasters. Prevention and elimination of studying of geodynamic processes and measures to reduction. Natural disasters. Prevention and elimination of the consequences of sustainable       5         PD       EC       Landscape studies and the study on the discipline: To form the scientific-theoretical foundations of landscape and modeling their consequences and methods.       5         PD       EC       Landscape studies and the scientific-theoretical foundations of landscape and consequences.       The aim of the discipline: To form the scientific-theoretical foundations of landscape and modeling their consequences of emergencies.       E       Image: Consequences of emergencies.         PD       EC       Landscape studies and the scientific-theoretical foundations of landscape and geosystem science.       Image: Consequence science.       Image: Consequence science.	Selences									
Module       DP       EC       Geodynamic       The aim of the discipline: to provide software and modeling of geodynamic processes.       5       Image: Concept of geodynamic processes.         Module       DP       EC       Geodynamic processes and their consequences, defining protective measures and methods.       5       Image: Concept of geodynamic processes.         Sustainable       Foresses       and value in protective measures and methods.       Content: Geodynamic processes.       Image: Consequences.       Image: Consequences.         geodynamic processes       and modeling their consequences and their consequences.       Content: Geodynamic processes.       Image: Consequences and their consequences.       Image: Consequences and their consequences and their consequences.         geographical science       FD       EC       Landscape and the discipline: to prome to an modeling of the consequences of emergencies. Global threats and emergencies on the modeling of the consequences of emergencies. Global threats and emergencies and methods of protection and model to a determining the arises and methods of route the arad's from them.       Image: Consequence and the consequences of emergencies and methods of protection and model to a determining the arises and methods of protection and the discipline: To form the scientific-theoretical foundations of landscape and studies and the scientific-t				· · ·						
Module       DP       EC       Geodynamic       Geodynamic processes, methods of forecasting and modelling their consequences, defining protective measures and methods.       5         Sustainable       EC       Geodynamic processes, methods of prodective measures and methods of protective measures and methods of modelling of the consequences of emergencies. Global threats and emergencies on Earth. Agroclimation of the discipline: To form the scientific-theoretical foundations of landscape studies and the scientific-theoretical foundations of landscape         PD       EC       Landscape       The aim of the discipline: To form the scientific-theoretical foundations of landscape       5         PD       EC       Landscape       The aim of the discipline: To form the scientific-theoretical foundations of landscape       5				У						
Module Concept of Sustainable admourted eterminent and modern problems of geographical science       DP EC       EC       Geodynamic Geodynamic Processes and Natural Disasters       The aim of the discipline: to provide geodynamic processes and measures to reventive protective measures and methods of protective measures and methods										
Module       DP       EC       Geodynamic       Geodynamic       For easures and modeling processes and measures to reduce hazards for determining the intensity of various hazardous processes and measures to reduce hazards from them.       5       Image: Concept of Sustainable										
Module       DP       EC       Geodynamic         Module       DP       EC       Geodynamic         Processes       and Natural       mater       students         Module       DP       EC       Geodynamic       The aim of the discipline: to provide of sudies by the normal set students with knowledge of geodynamic processes, methods of forecasting and modern problems of geographical science       The aim of the discipline: to provide of protective measures and methods.         Concept of Sustainable       Disasters       Disasters       Content: Geodynamic processes. and their consequences, defining and modelling of geodynamic processes. Preventive and methods.       Content: Geodynamic processes.         geographical science       PD       EC       Landscape students with knowledge of protective measures and methods.         PD       EC       Landscape students with knowledge of protective measures and methods.         PD       EC       Landscape students with knowledge of protective measures and methods.         Protective measures and methods.       Content: Geodynamic processes.       Proventive protective measures and methods of protection.         PD       EC       Landscape studes and instard disasters. Prevention and elimination of the consequences of comergencies. Global threats and emergencies or earth. Agroclimatic hazards and risks. Methods for determining the intensity of various hazardous processes and measures to reduce hazards from them.       5										
Module       DP       EC       Geodynamic Processes and vision scientific.       The aim of the discipline: to provide geodynamic processes, methods of forecasting and modelling their consequences, defining protective measures and methods.       5       Image: Consequences and their protective measures and methods.         geographical science       Fee       Landscape       Landscape       The aim of the discipline: to provide geodynamic processes.       5       Image: Consequences and their protective measures and methods.         PD       EC       Landscape       Landscape       The aim of the discipline: To form the geodynamic processes.       5       Image: Consequences and their protective measures and methods.         PD       EC       Landscape       The aim of the discipline: To form the geodynamic processes.       5       Image: Consequence and their protective measures and methods.         PD       EC       Landscape       The aim of the discipline: To form the and geosystem science.       5       Image: Consequence and their protective measures and methods of protective measures and methods.         PD       EC       Landscape       The aim of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.       5       Image: Consequence and their protection and modelling the intensity of various hazardos from them.       5       Image: Consequence and their protection and protection and protection. <td></td>										
Module       DP       EC       Geomorphological studies by W. Davis, W. Penk and Russian scientists. Spatial and temporal analysis in geomorphology. System analysis in geomorphology. Geomorphological forecasting.       5       Image: Concept of Processes         Module       DP       EC       Geodynamic Processes       The aim of the discipline: to provide geodynamic processes, methods of forecasting and modeling       5       Image: Concept of geodynamic processes, methods.         Sustainable       Image: Concept of Sustainable       Image: Concept of Processes       Image: Concept of geodynamic processes, methods of forecasting and modeling their consequences, defining protective measures and methods.       Image: Content: Geodynamic processes.         geographical science       Image: Content: Geodynamic processes.       Image: Content: Geodynamic processes.       Image: Content: Geodynamic processes.         Preventive protective measures and methods.       Image: Content: Geodynamic processes.       Image: Content: Geodynamic processes.         Preventive protective measures and methods of protection. Natural disasters.       Image: Content: Geodynamic processes.       Image: Content: Geodynamic processes.         Preventive protective measures and methods of protective measures and methods of protective neasures and methods of protective neasures and methods of protective neasures and methods of protective neasures and measures to reduce hazardous processes and measures to reduce hazards from them.       Image: Content: Geodynamic processes and measures to reduce hazards from them.       Image: Content: Geody										
Module       DP       EC       Geodynamic processes       The aim of the discipline: to provide to geodynamic processes, methods of forecasting and modern       5       Image: Concept of geodynamic processes, methods of forecasting and modeling their consequences, defining protective measures and methods. 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.       5         PD       EC       Landscape study of       The aim of the discipline: To form the science.       5										
Module       DP       EC       Geodynamic Processes and Natural development and modeling their consequences, defining protective measures and methods.       5       Image: Concept of Sustainable       Image: Concept of Processes and Natural Disasters       Image: Concept of Processes and Natural Disasters       Image: Concept of Processes and Natural protective measures and methods.       5       Image: Concept of Concept of Sustainable       Image: Concept of Processes and Natural Disasters       Image: Concept of Processes and Matural Disasters       Image: Concept of Processes and modeling their consequences, defining protective measures and methods.       Image: Concept of Content: Geodynamic processes and their consequences. Methods of prediction and modeling 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.       Image: Concept of Protection and elimination of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.       Image: Concept of Protection and processes protectical foundations of landscape										
Module       DP       EC       Geodynamic Processes       The aim of the discipline: to provide Master students with knowledge of geodynamic processes, methods of forecasting and modeling       5       Image: Concept of Bustainable       Image: Concept of Bustainable         geodynamic       Processes       The aim of the discipline: to provide geodynamic processes, methods of forecasting and modelling their consequences, defining problems of geographical science       Image: Concept of Bustainable       Image: Concept of Bustainable<										
Module Concept of Sustainable development and modern problems of geographical science       DP       EC       Geodynamic Processes and Natural Disasters       The aim of the discipline: to provide geodynamic processes, methods of forecasting and modelling their consequences, defining protective measures and methods.       Image: Content: Geodynamic processes content: Geodynamic processes.         geographical science       Image: Content: Geodynamic processes.       Content: Geodynamic processes.       Freventive protective measures and methods.         Content:       Geodynamic processes.       Preventive protective measures and methods of 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.       Image: Content: Geodynamic processes and protection.         PD       EC       Landscape studies and the study of       The aim of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.       Image: Content: Geodynamic processes and protectical foundations of landscape and geographical       Image: Content: Geodynamic processes and measures to reduce hazards from them.										
Module Concept of Sustainable development and modern problems of geographical science       EC       Geodynamic Processes and Natural Disasters       The aim of the discipline: to provide geodynamic processes, methods of forecasting and modelling their consequences, defining protective measures and methods.       Image: Consequences of the consequences of 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.       S       Image: Consequence protective measures and methods of protection. Natural disapplication 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.       S         PD       EC       Landscape studies and the study of       The aim of the discipline: To form the study of       5       Image: Consequence										
Concept of Sustainable development and modern problems of geographical science       Processes and Natural Disasters       Master students with knowledge of geodynamic processes, methods of forecasting and modelling their consequences, defining protective measures and methods.         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.         PD       EC       Landscape studies and the study of       The aim of the discipline: To form the subdy of       5	M - 1-1-	DD	EC	Carlonania		~				
Sustainable development and modern problems of geographical science       and Natural Disasters       geodynamic processes, methods of forecasting and modelling their consequences, defining protective measures and methods.         Content:       Geodynamic 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.         PD       EC       Landscape studies and the study of		DP	EC			3				
development and modern problems of geographical science       Disasters       and modelling their consequences, defining protective measures and methods. 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.         PD       EC       Landscape studies and the scientific-theoretical foundations of landscape and geosystem science.       5										
and modern       protective measures and methods.         problems of       geographical         science       Content: Geodynamic processes and their         consequences.       Methods of prediction and         modelling of       geodynamic processes.         Preventive protective measures and methods of         protective measures.       Preventive protective measures and methods of         protection.       Natural disasters.         Preventive protective measures and methods of       protection.         Protective measures.       Preventive protective measures and methods of         protection.       Natural disasters.         Preventive protective measures and methods of       protection.         Natural disasters.       Prevention and         elimination of the consequences of       emergencies         on Earth.       Agroclimatic hazards and risks.         Methods for determining the intensity of       various hazardous processes and measures to         reduce hazards from them.       scientific-theoretical foundations of landscape         studies and the       scientific-theoretical foundations of landscape         and geosystem science.       and geosystem science.										
problems of geographical science       Image: 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.         PD       EC       Landscape studies and the study of and geosystem science.				Disasters						
geographical science       science       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.       Image: Consequence in the image: C					1					
science       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.       5         PD       EC       Landscape studies and the study of       The aim of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.       5	•									
PD       EC       Landscape studies and the study of       The aim of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.       D       D										
PD       EC       Landscape studies and the scientific-theoretical foundations of landscape and geosystem science.       The aim of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.       Image: Scientific theoretical foundations of landscape and geosystem science.	science									
PD       EC       Landscape studies and the study of       The aim of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.       5										
PD       EC       Landscape studies and the study of study of       The aim of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.       5       Image: Constraint of the discipline: To form the scientific theoretical foundations of landscape and geosystem science.       5					-					
PD       EC       Landscape studies and the study of and geosystem science.       The aim of the discipline: To form the study of and geosystem science.       5       Image: Constraint of the study of and geosystem science.					*					
PD       EC       Landscape studies and the study of and geosystem science.       The aim of the discipline: To form the study of and geosystem science.       5       Image: Constraint of the study of and geosystem science.					<b>v</b>					
PD       EC       Landscape studies and the study of study of       The aim of the discipline: To form the study of       5       Image: Constraint of the study of					e					
PD       EC       Landscape studies and the study of study of       The aim of the discipline: To form the science.       5       Image: Constraint of the discipline: To form the science of the scienc										
PD       EC       Landscape studies and the study of       The aim of the discipline: To form the scientific-theoretical foundations of landscape and geosystem science.       5       I <thi< th="">       I<!--</td--><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thi<>										
studies and the study of     scientific-theoretical foundations of landscape and geosystem science.		DD	EC	Landacana		5				
study of and geosystem science.		PD	EC			5				
				geosystems	and geosystem science.					

			<b>Content:</b> Theory and history of landscape and geosystem science. Physico-geographical principles of systematic cognition of the geographical envelope. The essence of geosystem-mass ratio. Concept of geomer, geochore, geotope. Geosystem-a set of interconnected components. V. B. Sochava in formulating the doctrine of geosystems. Landscapes according to J. Bertrand. Concepts of the nuclear geosystem proposed by A. Y. Retheum.					
PD	EC	Planning and Organization of Scientific- Researches	The aim of the discipline: to develop skills in designing and implementing scientific research based on detailed analysis of specific factors. Development of scientific thinking and research skills <b>Content:</b> Classification of scientific research: fundamental and applied, essence of scientific research. Forms and methods of research: experimental, methodological, descriptive, experimental-analytical, theoretical and empirical levels of research. Planning, organisation and implementation of research work, stages of scientific research and its processing. Methodological and procedural sections of research.	6				
PD	EC	Scientific Project Manage ment	Sections of researchThe aim of the discipline : to developskills in designing and implementing researchprojects. Content: Basic project managementconcepts: project management, project success.Projectmanagementstandards: nationalandinternational.Organisationalstructures of projectmanagement.Functional,project-orientedandmixedstructures.Assessingprojecteffectiveness.Projectcostmanagement.Projectcontroland	6				

			management. project closure.						
PD	EC	Scientific and	The aim of the discipline: To conduct	5		<u> </u>			
ТD	LC	theoretical	research and expertise on the level of study	5					
		basics of	based on defining the scientific-theoretical						
		Study of the	foundations of the geography of sacred places in						
		Sacred	Turkestan province.						
		Geography of	<b>Contents:</b> Sacred sites of Turkestan province.						
		Turkestan	Objects to be studied. The Rukhani Zhangyru:						
		region	Bolashakka Baghdar" and the sacred geography						
		e	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.						
PD	EC	Geographic	The aim of the discipline: to examine the	5					
		Problems of	main trends in the development of modern						
		Environment	environmental management, defining the role,						
		Management	place and significance of economic geography						
		and	in solving problematic issues.						
		Forecasting	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						
DD	FO	A ( 1	regional development of regional management.	~		-		-	 
PD	EC	Actual	The aim of the discipline: to acquaint with	5					
		problems of modern	the main problems and directions of						
			development of modern geographical science						
		geography	and to become a general methodological prerequisite for						
			training in various geographical specializations						
		I	ranning in various geographical specializations						

				<b>Contents:</b> Methodological and culturological foundations of geographical knowledge. Problems of cognition in modern geography. Conceptual and methodological foundations of modern geography. Global problems in the development of the Earth.The situation of mineral resources. The fundamental basis for the territorial organization of non-mineral resources. Food resources.					
	PD	EC	Didactic basics of geography teaching methods	The aim of the discipline: To consider the didactic foundations of geography teaching and ways of improving teaching methods. Content: Fundamentals of the didactic process, its regularities, principles, structural components and their functions. The content of teacher and student activities when using different forms and methods of teaching. Didactic features of the methodology of teaching geography and their use in the learning process. The research approach in teaching geography.	5				
Module of scientific- research work and Final Certification			Research work of a master student, including passing an internship and completing a master's thesis	To independently research and solve specific scientific problems on the topic of the chosen study. Analysis and use of modern theoretical, methodological and technological achievements of geographical science. To get acquainted with the innovative technologies within the framework of the internship. The use of modern research methods. Conducting an assessment of the reliability of the obtained results and their critical comparison with similar results of domestic and foreign works. Analysis of the obtained results, conclusions and proposals.	24				
			Execution and Defense of Master`s Thesis	Purpose: To assess the learning outcomes achieved and the competencies mastered at the	8				

end of the study programme
Content: the thesis design in accordance with
the requirements for Master's theses.
Consideration of the requirements for academic
integrity (plagiarism). Public defence with
demonstration of knowledge, skills and
competences.

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

Course of Study Semester		The number of mastered modules	Th num or stud disc ne	iber f lied ipli						Total hours	KZ credits	The number of	
Cours	Se	The numb m	ВК	KB	Theore tical trainin g	Pedagogi cal Practice	Resear ch Practic e	Master Researc h	Final exami nation		Total KZ	exa m	dif.cr edit
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
To	otal		5	11	78	4	6	24	8	3600	120	15	8

# 6. LEARNING STRATEGIES AND METHODS, MONITORING AND EVALUATION

	dogran The Master's dogran is the contex of teaching/logming and an						
	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.						
Teachingmethods	Conducting lectures, seminars, various types of practices:						
	• using innovative technologies:						
	• problem-based learning;						
	• case study;						
	• work in a group and creative groups;						
	• discussions and dialogues, intellectual games, olympiads, quizzes;						
	<ul> <li>reflection methods, projects, benchmarking;</li> </ul>						
	• Bloom's taxonomies;						
	• presentations;						
	• rational and creative use of information sources:						
	• multimedia training programs;						
	• electronic textbooks;						
	• digital resources.						
	Organization of independent work of undergraduates, individual						
	consultations.						
Monitoring and	Current control on each topic of the discipline, control of knowledge						
evaluation of the	in classroom and extracurricular classes (according to syllabus).						
achievability of learning	Assessment forms:						
outcomes	• survey in the classroom;						
	<ul> <li>testing on the topics of the discipline;</li> </ul>						
	• control works;						
	• protection of independent work;						
	• discussions;						
	• trainings;						
	• colloquiums;						
	• abstract, etc .						
	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:						
	• exam in the form of testing;						
	• oral examination;						
	• written exam;						
	• combined exam;						
	• project protection;						
	• protection of practice reports.						
	Final state certification.						

#### **APPROVAL SHEET**

in education programme  $\underline{7M01560}$  -  $\underline{Geography}$ 

Director of the IPE\_\_\_\_\_ Elibayeva G.I.

Directorof DASe\_\_\_\_\_Nazarbek U.B.

Director of DEAC \_\_\_\_\_ Bazhirov T.S