

CATALOGUE OF ELECTIVE DISCIPLINES

«7M01515-Geography»

MASTER'S LEVEL

Cycle of disciplines	Name of disciplines and their main sections	Laboriousness (ECTS)
BD 1	CYCLE OF BASIC DISCIPLINES (BD)	
21270	History and philosophy of science	4
	Philosophy of science. Science in culture, civilization. Emergence, development of science. Structure of scientific knowledge. Scientific revolution. Scientific rationality. Features of modern science. Science as a social institution Natural Sciences. History of socio-humanitarian sciences. Organization of scientific activity. Evolution of knowledge. Ethical aspects of modern science. Communication technologies, information processes in modern science. Actual problems of natural and socio-humanitarian sciences.	
21271	Foreign language (professional)	4
	Mastering a foreign language at the level of C1, C2 (language specialties), LSP communication in monological and dialogical form (report, presentation, conversation, discussion). Study of grammar of scientific style in oral, written forms. Listening to information and professional messages. Writing, registration of scientific articles, reports, projects, etc. Work with dictionaries, reference literature. Two-way translation skills.	
21272	Pedagogy of higher education	4
	Pedagogy as a science. The main categories of pedagogy. The subject and tasks of pedagogy in the System of pedagogical Sciences. Connection of pedagogy with other Sciences. History of pedagogy. Modern paradigm of higher education. Methodology of pedagogy. Professional competence, theory of education of the University teacher. Credit technology of education. The organization of independent and research work of undergraduates. Preparation of teaching materials. Educational work at the University. Management in education.	
20183	Psychology of management	4
	Psychology of management-a section of psychology about the laws of management. The analysis of psychological conditions, features of administrative activity. Diagnostics and forecasting of the state and changes of the management subsystem; formation of the program of activity of subordinates; organization of execution of the decision. Management needs and abilities of the head. Practical implementation in the form of creating diagnostic tools, development of active methods of training managers, management consulting.	
SC	SELECTION COMPONENT (SC)	
20377	<p>Organization and planning of scientific research</p> <p>Organization of research work in universities and research institutions of Kazakhstan. Methodology and methods of scientific research. Science and scientific research. The preparatory stage of the research work. Collection and processing of scientific information. Description and registration of results of scientific works. Copyright and patent law.</p> <p>Methodology and methods of scientific research</p> <p>New methods of research activities. Methodological foundations of scientific research. Modern problems of scientific language. Methods of theoretical research and methods of empirical research. Methods of organization and conduct of</p>	5

	scientific experiment.	
20386	The development of Earth and geographical patterns	5
	The history of the origin of the Earth and the main theories and hypotheses. Formation and development of geographical envelope. Differentiation of the geographical envelope. Landscape-forming processes. Modern views on the formation and development of the Earth. Causes and consequences of laws of geographical development of the Earth.	
	Basic theories and hypotheses of the origin of the Earth	
	The hypothesis of the origin of the Universe, the Solar system and the Earth. Cosmogonic theories. big bang theory. A new hypothesis of the formation of the Universe, the Solar system and the Earth.	
20388	The processes of globalization in the geography	5
	Social and philosophical analysis of globalization. The globalization of the protection of nature. The impact of globalization on the environment. Aspects that determine the process of globalization.	
	Globalization in the modern world	
	Globalistics as a scientific discipline. Globalization is a planetary phenomenon. Theoretical aspects of the globalization process of the modern world. Globalization processes in the modern world. Advantages and disadvantages of globalization.	
20397	Development of natural and anthropogenic complexes of Kazakhstan	5
	The history of the formation of ideas about the anthropogenesis of landscapes. Definition of basic notions (natural-anthropogenic, cultural landscapes etc.). Typology and characteristics of natural-anthropogenic complex in accordance with their production specifics. Types of anthropogenic dynamics of landscapes. Crisis situations in the development and evolution of Kazakhstan's natural-anthropogenic complex.	
	Anthropogenic transformation of the territory	
	Theoretical bases of geographical researches of anthropogenization of landscapes. Regularities of formation of natural and anthropogenic systems. The rational planning of landscapes.	
20398	Geo-economics and strategic development of Kazakhstan	5
	Ideas of space in geo-economic science. World income and geo-economic rent. The concept and main features of geo-economic systems. Problems of creation and functional purpose of geo-economic Atlas. Geo-economic activation of Kazakhstan.	
	Geo-economic aspects of strategic development of the region	
	Geo-economic aspects. Global strategic development. Theoretical directions of the regional development strategy. Modeling of regional development strategy.	
20399	Geographical processes and development trends	5
	Natural and man-made systems. Technogenic migration of substances and self-cleaning ability of geosystems. Geo-environmental aspects of urbanization. Geo-environmental aspects of energy. Geo-environmental aspects of the industry. Geo-ecological aspects of transport. Geo-ecological aspects of agriculture.	
	Trends in the development of recreational geography	
	Bases of stability of recreational and geographical processes. Concept of territorial recreational system. The concept of paradyamics of recreational systems. Information model of recreation. The process of adaptation of	

	recreational systems.	
20400	Landscape planning	5
	Basic science concepts applicable to landscape planning. World experience of landscape planning. Landscape analysis methodology for planning purposes. Analysis of land use structure. Methodology of planning the placement of activities in the landscape.	
	Landscape and environmental planning	
	Landscape and environmental planning. Landscape planning as a means of ecological organization of the territory. Algorithm of landscape and ecological planning at different hierarchical levels. Methods of landscape and ecological arrangement of tourist and recreational systems.	