

# **EDUCATIONAL PROGRAM ON SPECIALITY 5B011600 – GEOGRAPHY**

## **General Provisions**

### **1. Purposes and tasks of educational program on speciality «5B011600 – Geography»:**

#### **1.1 Purpose of educational program**

1.1.1 - training of highly-qualified pedagogical personnel on geography, specialists of a new generation who owns polyculture, communicativeness, and who are capable to solve socially significant problems creatively and highly-professionally at modern scientifically-practical level in a pedagogical field of activity and who has high social and civil responsibility and is capable to carry out professional activity in following directions:

- 1.1.2 – Education and formation of developed personality of a student;
- 1.1.3 – Formation of systematic knowledge at the field of geography;
- 1.1.4 – Organization of teaching process on geography at modern scientific level;
- 1.1.5 – Conducting scientific researches.

#### **1.2 Main tasks of educational program:**

- 1.2.1 - providing quality professional training of the future teachers of geography with specialization (tourism, ecology, economic fundamentals) according to the social demand of society and the international standards of education;
- 1.2.2 - forming the key competency systems as well as scientific and special knowledge, abilities and skills of future teachers of geography;
- 1.2.3 - mastering of physical, spiritual and intellectual self-development methods, psychological literacy development, thinking culture and behavior culture.

#### **1.3 Requirements for the results of mastering educational program:**

- 1.3.1 - Bachelor on the speciality «5B011600 – Geography» has to know human nature and meaning of his existence, learn his capabilities and borders, know a variety of civilization and forms of social experience, define a place of the person in the information technical world and a role of scientific rationality in society development;
- 1.3.2 - He has to have an idea about subjects of geographical science and its bases, and also bases of the geographical analysis, and know ecology and economy of nature management, and Geography of natural resources, etc;
- 1.3.3 - He has to know regularities of physical-geographic and economic-geographical processes;
- 1.3.4 - He has to be capable to solve the pedagogical problems put by the teacher which are connected with realization of professional functions and be able to use methods of the sciences studied by him and pedagogical ways of the teacher for solving problems.

### **2. Competences of a specialty «5B011600 – Geography» graduate developed as a result of acquiring the educational program**

Development of the following competences provides realization of the objectives and tasks of the educational program:

- 2.1 – general cultural competences;
- 2.2 – professional competences;
- 2.3 – subject competences.

**2.1 The general cultural competences are characterized by the fact that a graduate:**

- 2.1.1 - *is able to* formation and objective assessment of the level of personal ambitions and have the skills to enhance the intellectual development of students;
- 2.1.2 - *is able to apply* the knowledge of the fundamentals of oratory, the world classical literature and art to his/her professional activity;
- 2.1.3 – *can apply* in professional activity fundamentals of rhetoric, world classical literature and art;
- 2.1.4 - *demonstrates* moral principles and ethical behavior;
- 2.1.5 - *is able to apply* general regulations and methods of social, human and economic sciences to solving social and professional problems;
- 2.1.6 - logically and correctly *formulates and utters* his/her ideas in mother tongue, *has skills* of oral and written speech in Kazakh (Russian), foreign languages for working at scientific texts and public speaking;
- 2.1.7 - *applies* the knowledge of foreign language to communication and comprehension of special texts;
- 2.1.8 - *applies* main methods, ways and means of gaining, storing and processing information; *is able to* work on a computer, including working in the global computer networks;
- 2.1.9 - *is able to take into consideration* ethnic-cultural and confessional distinctions of the educational process engagers when cooperating socially;
- 2.1.10 - *realizes* the principles of organization of scientific research, ways of achieving and developing scientific knowledge;
- 2.1.11 - *is able to use* means and methods of physical education and health promotion, maintains a required level of physical wellness for supporting good social and professional activity;
- 2.1.12 - *is able to develop* skills of healthy life-style in accordance with requirements of hygiene, labor protection and regulations on protection from possible negative influence.

**2.2 Professional competences are characterized by the fact that a graduate:**

- 2.2.1 - *is able to model* educational process, realize it when teaching;
- 2.2.2 - *is able to apply* means of considering general, specified (when there are different types of abnormality) mechanisms and individual features of mental and psychophysical development, is familiar with peculiarities of regulating human behavior and activities at different age;
- 2.2.3 - *can apply* qualitative and quantitative methods of psychological and pedagogical research;
- 2.2.4 - *is able to apply* methods of diagnosing development, communication, activities of different age children;
- 2.2.5 - *is able to apply* the knowledge of different theories of teaching, educating and developing, and the educational programs for various level trainees, as well;
- 2.2.6 - *can apply* the methods of organizing different children activities;
- 2.2.7 - *can apply* the methods of organizing joint activities and interpersonal interactions of educational engagers;
- 2.2.8 - *is able to apply* the knowledge of normative documents and the professional knowledge to culture and education work;
- 2.2.9 - *realizes* a great social importance of the profession, conforms to the principles of professional ethics;

- 2.2.10 - *knows* the ways of organizing professional activity in multicultural society taking into account peculiarities of socio-cultural structure of the society, also laws and principles of national education;
- 2.2.11 - *is able to participate* in interdisciplinary and interdepartmental cooperation of the specialists for solving professional problems;
- 2.2.12 - *is able to apply* the major international and domestic documents on children's and invalids' rights;
- 2.2.13 - can apply methods of critical thinking;
- 2.2.14 - agrees on value and beliefs of inclusive education;
- 2.2.15 - *capable* of learning, result-oriented and mobility that will help students develop competencies necessary for them to adapt to a changing labor-market, and that will enable them to become active and responsible citizens.

### 1.3 Subject competences are characterized by followings:

- 1.3.1 - Graduate knows the specificity of secondary education, has the means of realization of succession in education of children of various ages;
- 1.3.2 - Graduate possesses theoretical bases and geography teaching technologies for students of secondary school;
- 1.3.3 - Graduate knows conceptual and theoretical bases of geography, its place in general system of sciences and values, history of development and modern state;
- 1.3.4 - Graduate possesses the system of knowledge about fundamental geographical laws and theories, natural essence of phenomenon and processes in nature and economy;
- 1.3.5 - Graduate is capable to apply the knowledge of theoretical and research bases of geography and geography teaching technology, possesses the methods of formation of subject abilities and skills of students, possesses the techniques of formation of interest for geography and usage of knowledge at the area of geography in daily life;
- 1.3.6 - Graduate possesses the skills of organization and conducting physical-geographic and economic-geographical researches (laboratory-practical, demonstration and computer);
- 1.3.7 - Graduate is capable to apply the knowledge of general, physical, social and economic geography, fundamental and applied geography for analysis and synthesis of regularities, phenomenon and processes, and also legitimate phenomenon and principles of national education;
- 1.3.8 - Graduate is capable to use physical-geographic and economic-geographical methods of research, programming and modern information-communication technologies for solving practical tasks of obtaining, storing, processing and transferring of information;
- 1.3.9 - Graduate is capable to implement analytical and technological decisions at the area of physical and social-economic geography;
- 1.3.10 - Graduate possesses the methods of theoretical analysis of results of observation and research, the methods of computer modeling.

### 1.2. Academic curriculum on speciality «5B011600 - Geography»

Period of study: 4 years

Academic degree: Bachelor's degree in Education on speciality 5B011600 - Geography

God, №	Modules and disciplines	ECTS	Term
<i>GDM 1</i>	<i>General education disciplines module (GDM)</i>	<i>24</i>	-

<b>RDC 1.1</b>	<b>Required disciplines component (RDC)</b>	<b>24</b>	-
1.1.01	History of Independent Kazakhstan	3	1
1.1.02	Kazakh (Russian) Language	4	1
1.1.03	Foreign Language - B1	4	1
1.1.04	Computer Science	4	2
1.1.05	Art Education	3	1
1.1.06	Economics and Business	3	3
1.1.07	Philosophy of education	3	3
<b>EDC 1.2</b>	<b>Elective disciplines component (EDC)</b>	-	-
<b>PDM 2</b>	<b>Professional disciplines module (PDM)</b>	<b>60</b>	-
<b>RDC 2.1</b>	<b>Required disciplines component (RDC)</b>	<b>60</b>	-
2.1.01	Pedagogy	5	2
2.1.02	Psychology	5	2
2.1.03	Pedagogical management	3	4
2.1.04	Educational Rhetoric	3	3
2.1.05	Inclusive Education	3	5
2.1.06	Age psychology and school hygiene	3	1
2.1.07	Research methods	3	3
2.1.08	Foreign Language – B 2	5	2
2.1.09	Practicum - 1 ( <i>Continuous pedagogical practicum</i> )	6	4
2.1.10	Practicum - 2 ( <i>Professional practicum</i> )	9	6
2.1.11	Practicum - 3 ( <i>Complex pedagogical practicum</i> )	15	8
<b>EDC 2.2</b>	<b>Elective disciplines component (EDC)</b>	-	-
<b>SDM 3</b>	<b>Special disciplines module (SDM)</b>	<b>144</b>	-
<b>RDC 3.1</b>	<b>Required disciplines component (RDC)</b>	<b>81</b>	-
3.1.01	Cartography with Bases of Topography	4	1
3.1.02	General Geology	3	2
3.1.03	General Earth Science	3	1
3.1.04	Geomorphology	3	4
3.1.05	Natural Science	3	3
3.1.06	Landscape Studies	3	4
3.1.07	Technology Assessment Criteria	3	3
3.1.08	Physical Geography of Continents and Oceans	5	4
3.1.09	Physical Geography of Kazakhstan	5	4

3.1.10	Biogeography	4	3
3.1.11	Political Geography with Bases of Geopolitics	3	5
3.1.12	Geography with Bases of Demography	3	5
3.1.13	Geography of World Nature Resources Population	3	5
3.1.14	Economic and Social Geography of the World	4	6
3.1.15	Economic and Social Geography of Kazakhstan	4	6
3.1.16	Modern World Geography	4	6
3.1.17	Local History Studies	4	6
3.1.18	Geography Teaching Methodology	5	7
3.1.19	Internship - 1 ( <i>General geographical</i> )	2	2
3.1.20	Internship - 2 ( <i>Physical-geographic</i> )	2	4
3.1.21	Internship - 3 ( <i>Economic-geographical</i> )	2	6
3.1.22	Externship - 4 ( <i>Interzonal complex</i> )	6	7
3.1.23	Profession-Oriented Foreign Language	3	5
<b>EDC 3.2</b>	<b>Elective disciplines component (EDC)</b>	<b>63</b>	<b>-</b>
<b>4</b>	<b>Exhaust (Diploma project) work</b>	<b>12</b>	<b>8</b>
	<b>Total credits (ECTS)</b>	<b>240</b>	<b>-</b>
<b>ATS</b>	<b>Additional types subjects (ATS)</b>		
	Physical education	12	1-4
	Religions studies	3	2
	Mangilik el	3	2

### 3.3 Recommended elective disciplines (courses) upon modules\*:

God, №	Description of modules and of training courses	ECTS	Semester
<b>SDM 3</b>	<b>Module of special disciplines (SDM)</b>	<b>144</b>	
<b>RDC 3.1</b>	<b>Required disciplines component (RDC)</b>	<b>81</b>	<b>-</b>
<b>EDC 3.2</b>	<b>Elective disciplines component (EDC)</b>	<b>63</b>	<b>-</b>
3.2.01	<b>Elective course – 1:</b> 1. Tourist-regional work 2. Ecological Education and Training 3. Economic Education and Training	4	1
3.2.02	<b>Elective course – 2:</b> 1. Basics tourismology 2. Ecology and sustainable development 3. Economic and sustainable development	4	1

3.2.03	<b>Elective course – 3:</b> 1. Gartographic method of Research 2. Methods of Field Research 3. Statistical method of geography.	4	2
3.2.04	<b>Elective course – 4:</b> 1. Active Forms of Tourism 2. Environment chemistry 3. Bases of District Planning	4	3
3.2.05	<b>Elective course – 5:</b> 1. Palaeogeography 2. Biospherology 3. Country-Specific Studies	4	3
3.2.06	<b>Elective course – 6:</b> 1. Services industry geography 2. Soil geography with the basics of soil science 3. Macro- and micro- economics	3	4
3.2.07	<b>Elective course – 7:</b> 1. Tourism Geography 2. Ecological biotechnology 3. Humanitarian geography	5	5
3.2.08	<b>Elective course – 8:</b> 1. Excursion Studies 2. Geoecology and conservation 3. Geoeconomic and integration processes	4	5
3.2.09	<b>Elective course – 9:</b> 1. Child and Youth tourism 2. Toponymy 3. Geourbanistics	4	5
3.2.10	<b>Elective course – 10:</b> 1. Recreational Geography 2. Nature Management Ecology 3. Nature Management Economics	5	6
3.2.11	<b>Elective course – 11:</b> 1. Methods of teaching tourism 2. Methods of teaching ecology	5	7

	3. Methods of teaching the fundamentals of the economy		
3.2.12	<b>Elective course – 12:</b> 1. Professional Kazakh (Russian) language 2. Physical Geography of the CIS countries 3. Economic and social geography of the CIS countries	3	7
3.2.13	<b>Elective course - 13:</b> 1. Tourism and recreation infrastructure 2. Ecological Assessment 3. Business activity and entererise economy	4	7
3.2.14	<b>Elective course -14:</b> 1. Hotel Business 2. Industrial Geography 3. Geographical Bases of Management	3	7
3.2.15	<b>Elective course -15:</b> 1. Management and Marketing of Tourism 2. Ecological Monitoring 3. Strategic Planning and State Regulation of the Economy	4	7
3.2.16	<b>Elective course – 16:</b> 1. Geography of the World Heritage 2. Global Ecology 3. Geography of the international economic relations	3	8
<b>EDC 3.2</b>	<b>TOTAL SDM Elective disciplines component</b>	<b>63</b>	<b>-</b>