



EDUCATIONAL PROGRAM

6B01 - Pedagogical sciences

(Code and classification of the field of education)

6B015 - Teacher training in natural science subjects

(Code and classification of the direction of training)

0114

(Code in the International Standard Classification of Education)

B014 - Geography teacher training

(Code and classification of the educational program group)

6B01512 - Geography-History

(Code and name of the educational program)

Bachelor

(Level of preparation)

Semey

Educational program

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PREFACE

Developed

The educational program 6B01512 - Geography-History in the direction of preparation 6B015 - Teacher training in natural science subjects on the basis of the State Compulsory Standards of Higher and Postgraduate Education approved by the Order of the Ministry of Science and Higher Education of the Republic of Kazakhstan dated July 20, 2022 No 2 (as amended by the order) was developed by the Academic Committee dated 20.02.2023 No 66).

Members of the Academic Committee	Full name	Academic degree, academic title, position	Signature
Head of the Academic Committee	Mukayev Zhandos	Dean of the Natural and Mathematical Faculty, PhD	
Educational program manager	Nurpeisova Akerke	Senior Lecturer of the Department of Natural Sciences	
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Reviewing

Full name of the reviewer	Position, place of work	Signature
Mukhtarova Shynar	Teacher-researcher in geography, Gymnasium School No. 37	

Reviewed

At the meeting of the Quality Assurance Commission
Natural and Mathematical of the faculty
Recommended to be for approved by the Academic Council of the University
Record №4.1 "04 " April. 2023 y.
Chairman of the Commission Zheldybayeva B.S.

Agreed

Head of the education department of the city of Semey Bulabaev B.Z.

Approved at the meeting of the Academic Council of the University Protocol No. 8 "25" April 2023.

Approved

at the meeting of the Academic Council of the University
Protocol № 1 "01" of September 2023
Chairman of the Academic Council of the University Orynbekov D.R.

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1.Introduction

1.1.General data

The Department of Natural Sciences of the Faculty of Natural Sciences and Mathematics of the NAO "Shakarim University of Semey" provides training in the educational program 6B01512 "Geography-History". The training of bachelors in the educational program 6B01512 "Geography-History" is carried out on a full-time basis on the basis of general secondary education, secondary specialized and higher education using distance educational technology.

Upon completion of training, graduates of the educational program 6B01512 "Geography-History" are awarded a bachelor`s degree in education in the educational program 6B01512 "Geography-History". The educational program provides for the education of a student with special educational needs in the conditions of a higher educational institution, as well as his socialization and integration into society.

1.2.Completion criteria

The main criterion for the completion of the educational process in the preparation of bachelors is the acquisition of at least 201 credits of theoretical training, as well as at least 27 credits of practice, not 12 credits for the preparation of diplomas. Total 240 credits.

1.3.Typical study duration: 4

2.PASSPORT OF THE EDUCATIONAL PROGRAM

2.1.EP purpose	Prepare a specialist capable of practical application of historical and geographical knowledge using innovative teaching methods, ready for relationship management, research and project activities focused on professional activities in the field of education
2.2.Map of the training profile within the educational program	
Code and classification of the field of education	6B01 - Pedagogical sciences
Code and classification of the direction of training	6B015 - Teacher training in natural science subjects
Code in the International Standard Classification of Education	0114
Code and classification of the educational program group	B014 - Geography teacher training
Code and name of the educational program	6B01512 - Geography-History
2.3.Qualification characteristics of the graduate	
Degree awarded / qualification	Bachelor of Education in the educational program 6B01512 Geography-History.
Name of the profession / list of positions of a specialist	Teacher. High School Teacher
OQF qualification level (industry qualification framework)	
Area of professional activity	6
Object of professional activity	4
Types of professional activity	<ul style="list-style-type: none"> - To apply modern pedagogical technologies in teaching geography and history; - to plan and carry out research work in the field of pedagogical sciences; - conducting scientific and pedagogical activities in general education organizations; - organizational and managerial; - socio-pedagogical; - educational and educational.
Graduate Model	<p>Distinctive features and opportunities, uniqueness of the educational program "6B01512 Geography-History" are:</p> <ul style="list-style-type: none"> ☒ High lecturing skills and mentoring and the availability of basic education of teaching staff ☒ The use of innovative teaching methods by teachers in the classroom, interdisciplinary training, local history approach to the study of ☒ The demand for dual specialty specialists with higher pedagogical education in the region; ☒ The presence of continuity in two stages of bachelor`s - master`s degree ☒ Formation of practical skills of students taking into account the real needs of employers <p>Personal qualities of a graduate</p> <ul style="list-style-type: none"> - ability to solve complex problems; - critical thinking; - creative thinking; - ability to work in a team; - the ability to recognize your own and other people`s emotions, manage them; - ability to form judgments and make decisions; - conducting negotiations;

- switching from one task to another.

3. Modules and content of the educational program

Module 1. Fundamentals of social and humanitarian knowledge

Foreign language

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	29764 (3013732)
Course	1
Term	1
Credits count	5
Practical and seminar classes	45hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The content of the discipline «Foreign language» assumes the formation of students' linguo-cultural, socio-cultural, cognitive and communicative competencies at B2 level. The discipline is aimed at deep and extended study of productive and receptive language material. As a result, the student must be able to understand all types of speech activity in accordance with the requirements of B2 level and master the subject content of the discipline and speech.

Purpose of studying of the discipline

Formation of linguo-cultural, socio-cultural, cognitive and communicative competence of students in the process of foreign language education at the B2 level, pan-European competence. Depending on the level of training, the student at the time of completing the course reaches the level B2 of the pan-European competence, if the language level of the student at the start is higher than the level B1 of the pan-European competence.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

School course

Postrequisites

Foreign language

Kazakh language

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	29765 (3013779)
Course	1
Term	1
Credits count	5
Practical and seminar classes	45hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline is aimed at deepening the acquired knowledge of students in the framework of the school curriculum, as well as the use of language and speech means based on a full understanding of vocabulary and grammatical system of knowledge; the formation of socio-humanitarian worldview of students within the framework of the national idea of spiritual revival; free expression of mobile thought as a means of speech communication and in the process of communication; awareness of the national culture of the people, the ability to distinguish features of national cognition.

Purpose of studying of the discipline

Forms through phraseological units the recognition of national culture, its meaning as a linguistic unit related to spiritual culture; skills of identifying facts of national and cultural significance in the formation of Kazakh phraseology.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

School course

Postrequisites

Kazakh language

The module of socio-political knowledge (sociology, political science, cultural studies, psychology)

Discipline cycle	General educational disciplines
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Discipline component	Compulsory component
SubjectID	27623 (3013822)
Course	1
Term	1
Credits count	8
Lectons	30hours
Practical and seminar classes	45hours
Independent work of a student under the guidance of a teacher	55hours
Independent work of the student	110hours
Total	240hours
Knowledge control form	Examination

Short description of discipline

The module of socio-political knowledge involves the study of four scientific disciplines – sociology, political science, cultural studies, psychology, each of which has its own subject, terminology and research methods. Interactions between these scientific disciplines are carried out on the basis of the principles of information complementarity; integrativity; methodological integrity of research approaches of these disciplines; generality of the methodology of learning, result-oriented; unified system representation of the typology of learning outcomes as formed abilities.

Purpose of studying of the discipline

Formation of social and humanitarian worldview of students in the context of solving the problems of modernization of public consciousness, defined by the state program "Looking into the Future: Modernization of Public Consciousness".

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

School course

Postrequisites

Philosophy

Russian language

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	29766 (3013731)
Course	1
Term	1
Credits count	5
Practical and seminar classes	45hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline is intended for the development of the language personality of the student, who is able to carry out cognitive and communicative activities in Russian in the areas of interpersonal, social, professional, intercultural communication; for teaching students practical mastery of the Russian language in various areas of communication and various situations, mastering the specifics of functional semantic types and genres of functional styles of speech, enriching the vocabulary with special vocabulary, forming and improving the skills of monologue and dialogic speech.

Purpose of studying of the discipline

The purpose of the program is to form the socio-humanitarian worldview of students in the context of the national idea of spiritual modernization, involving the development on the basis of national consciousness and cultural code of the qualities of internationalism, tolerant attitude to world cultures and languages as translators of world-class knowledge, advanced modern technologies, the use and transfer of which can ensure the modernization of the country and personal career growth of future specialists.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

School course

Postrequisites

Russian language

Physical Culture

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	29767 (3013735)
Course	1
Term	1

Credits count	2
Practical and seminar classes	60hours
Total	60hours
Knowledge control form	Differentiated attestation

Short description of discipline

It provides for the joint cooperation of a teacher and a student in the process of physical education throughout the training in the context of the requirements for the level of mastering the discipline, preparing students for participation in mass sports competitions; forms motivational and value attitudes towards physical culture and the need for systematic physical exercises and sports; gives basic knowledge about the use of physical culture and sports in the development of vital physical qualities.

Purpose of studying of the discipline

The purpose of the program is the formation of social and personal competencies of students and the ability to purposefully use the means and methods of physical culture, ensuring the preservation, strengthening of health to prepare for professional activities; to the persistent transfer of physical exertion, neuropsychic stress and adverse factors in future work.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

School course

Postrequisites

Physical Culture

Kazakh language

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	29812 (3013778)
Course	1
Term	2
Credits count	5
Practical and seminar classes	45hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline is aimed at expanding language literacy, free communication with the environment and mental and ideological skills of the student, understanding the role of language in the process of mastering world-class knowledge through the formation of a future specialist's worldview based on national consciousness and cultural code, improving the knowledge of the state language by future specialists, increasing the scope of use of the Kazakh language by specialists.

Purpose of studying of the discipline

Ensuring high-quality mastery of the Kazakh language as a means of social, intercultural, professional communication through the formation of communicative competencies at all levels of language use.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

Kazakh language

Postrequisites

Basic and profile disciplines of the EP

Foreign language

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	29806 (3013733)
Course	1
Term	2
Credits count	5
Practical and seminar classes	45hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The content of the discipline «Foreign language» assumes the formation of students'linguo-cultural, socio-cultural, cognitive and communicative competencies at B2 level. The discipline is aimed at deep and extended study of productive and receptive language material. As a result, the student must be able to understand all types of speech activity in accordance with the requirements of B2 level and master the subject content of the discipline and speech.

Purpose of studying of the discipline

Formation of linguo- culturological, socio- cultural, cognitive and communicative competence of students in the process of foreign language education at the B2 level, pan-European competence. Depending on the level of training, the student at the time of completing the course reaches the level B2 of the pan-European competence, if the language level of the student at the start is higher than the level B1 of the pan-European competence.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

Foreign language

Postrequisites

Basic and profile disciplines of the EP

Bases of economics, law and ecological knowledge

Discipline cycle	General educational disciplines
Discipline component	University component
SubjectID	27627 (3013823)
Course	1
Term	2
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The integrated discipline includes the main issues and principles in the field of fundamentals of law and anti- corruption culture, economics, entrepreneurship and leadership, ecology and life safety. Features of the use of regulatory legal acts, the ability to use the business, ethical, social, economic, entrepreneurial and environmental standards of society. Specifics of environmental-legal, economic, entrepreneurial relations, leadership qualities and principles of combating corruption.

Purpose of studying of the discipline

It consists in studying the basic patterns of the functioning of living organisms, the biosphere as a whole and the mechanisms of their sustainable development under the conditions of anthropogenic impact and emergency situations; in understanding the concept of corruption, the legitimacy of the fight against it, the content of the state penal policy; in the formation of students` basic fundamental stable knowledge on the basics of economic theory, in instilling the skills and abilities of economic thinking; in introducing students to the theory and practice of entrepreneurship, to the basics of creating their own business; in the formation of theoretical knowledge and practical skills for the development and improvement of leadership qualities.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

School course

Postrequisites

Basic and profile disciplines of the EP

Russian language

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	29805 (3013730)
Course	1
Term	2
Credits count	5
Practical and seminar classes	45hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline is intended for the development of the language personality of the student, who is able to carry out cognitive and communicative activities in Russian in the areas of interpersonal, social, professional, intercultural communication; to teach the scientific style of speech as a language of specialty, the creation of secondary texts, the formation of skills for the production of oral and written speech in accordance with the communicative goal and the professional sphere of communication, instilling the skills of speech etiquette, business rhetoric.

Purpose of studying of the discipline

The purpose of the program is to form the socio-humanitarian worldview of students in the context of the national idea of spiritual modernization, involving the development on the basis of national consciousness and cultural code of the qualities of internationalism,

tolerant attitude to world cultures and languages as translators of world-class knowledge, advanced modern technologies, the use and transfer of which can ensure the modernization of the country and personal career growth of future specialists.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

Russian language

Postrequisites

Basic and profile disciplines of the EP

Physical Culture

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	29811 (3013736)
Course	1
Term	2
Credits count	2
Practical and seminar classes	60hours
Total	60hours
Knowledge control form	Differentiated attestation

Short description of discipline

It provides for the joint cooperation of a teacher and a student in the process of physical education throughout the training in the context of the requirements for the level of mastering the discipline, the ability to exercise control and self-control in the process of classes, gaining knowledge on health promotion, hardening and increasing the body's resistance to the effects of adverse factors of labor activity, mastering methods of selection of physical exercises and sports.

Purpose of studying of the discipline

The purpose of the program is the formation of social and personal competencies of students and the ability to purposefully use the means and methods of physical culture, ensuring the preservation, strengthening of health to prepare for professional activities; to the persistent transfer of physical exertion, neuropsychic stress and adverse factors in future work.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

Physical Culture

Postrequisites

Physical Culture

History of Kazakhstan

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	27644 (3013820)
Course	2
Term	1
Credits count	5
Lectures	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Qualification examination

Short description of discipline

The main stages of the history of Kazakhstan are studied with: nomadic statehood, Turkic civilization, the era of colonialism, the Soviet period, independence. The driving forces, trends, patterns of historical development are analyzed; problems: ethnogenesis of the Kazakh people, the formation of statehood, national liberation movements, demographic development. The skills of analyzing historical events and facts, working with historical literature are being formed.

Purpose of studying of the discipline

The purpose of the discipline is to provide objective knowledge about the main stages of the development of the history of Kazakhstan from ancient times to the present.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

School course

Postrequisites

Philosophy

Physical Culture

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	27642 (3013738)
Course	2
Term	1
Credits count	2
Practical and seminar classes	60hours
Total	60hours
Knowledge control form	Differentiated attestation

Short description of discipline

Provides for the joint cooperation of the teacher and the student in the process of physical education throughout the training in the context of the requirements for the level of mastering the discipline; increasing the level of physical fitness and developing physical qualities; mastering the technique of sports; education of discipline, collectivism, comradely mutual assistance; education of mental stability, development and improvement of basic motor qualities - endurance, strength, speed, dexterity, flexibility.

Purpose of studying of the discipline

The purpose of the program is the formation of social and personal competencies of students and the ability to purposefully use the means and methods of physical culture, ensuring the preservation, strengthening of health to prepare for professional activities; to the persistent transfer of physical exertion, neuropsychic stress and adverse factors in future work.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

Physical Culture

Postrequisites

Physical Culture

Information and communication technology

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	27698 (3013824)
Course	2
Term	2
Credits count	5
Lections	15hours
Practical and seminar classes	15hours
Laboratory works	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline is aimed at mastering the conceptual foundations of the architecture of computer systems, operating systems and networks by students; formation of the ability to critically understand the role and significance of modern information and communication technologies in the era of digital globalization, new "digital" thinking, knowledge about the concepts of developing network and web applications, skills in using modern information and communication technologies in various fields of professional activity, scientific and practical work, for self-educational and other purposes.

Purpose of studying of the discipline

Formation of the ability to critically evaluate and analyze processes, methods of searching, storing and processing information, methods of collecting and transmitting information through digital technologies.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

School course Foreign language

Postrequisites

Basic and profile disciplines of the EP

Physical Culture

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	29814 (3013737)
Course	2
Term	2

Credits count	2
Practical and seminar classes	60hours
Total	60hours
Knowledge control form	Differentiated attestation

Short description of discipline

Provides for the joint cooperation of the teacher and the student in the process of physical education throughout the training in the context of the requirements for the level of mastering the discipline; acquisition of versatile abilities and skills for the development of physical abilities, socio-cultural experience and socio-cultural values of physical culture and sports; development of communication skills, thinking, self-development, the formation of experience in the implementation of sports and recreational and training programs.

Purpose of studying of the discipline

The purpose of the program is the formation of social and personal competencies of students and the ability to purposefully use the means and methods of physical culture, ensuring the preservation, strengthening of health to prepare for professional activities; to the persistent transfer of physical exertion, neuropsychic stress and adverse factors in future work.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

Physical Culture

Postrequisites

Basic and profile disciplines of the EP

World of Abai

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	28081 (3013786)
Course	2
Term	2
Credits count	3
Lectons	15hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	20hours
Independent work of the student	40hours
Total	90hours
Knowledge control form	Examination

Short description of discipline

The discipline is aimed at studying historical facts, the philosophical and artistic foundations of the works of Abay Kunanbaev, Shakarim Kudaiberdiev, which form worldview and aesthetic values, the student's ability to express his opinion, practical skills and perception of such human qualities as morality, honesty, artistic character. The genius of the writers of Kazakh literature and the role of M. Auezov in the study and popularization of Abai's heritage, the significance of his works for history, literature and science are determined.

Purpose of studying of the discipline

Formation of the meaning of philosophical and ideological being, understanding of the problems raised in the works of Abai Kunanbayuly, Shakarim Kudaiberdiuly, Mukhtar Auezov and application of the acquired knowledge in the practice of everyday life.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

The module of socio-political knowledge (sociology, political science, cultural studies, psychology)

Postrequisites

Basic and profile disciplines of the EP

Philosophy

Discipline cycle	General educational disciplines
Discipline component	Compulsory component
SubjectID	28091 (3013748)
Course	3
Term	2
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline is aimed at developing students' openness of consciousness, understanding their own national code and self-

consciousness, spiritual modernization, competitiveness, realism and pragmatism, independent critical thinking, the cult of knowledge and education, a holistic view of philosophy as a special form of understanding the world, mastering key worldview concepts, as well as the development and strengthening of the values of tolerance, intercultural dialogue and a culture of peace.

Purpose of studying of the discipline

Formation in students of a holistic view of philosophy as a special form of knowledge of the world, its main sections, problems and methods of studying them in the context of future professional activities.

Learning Outcomes

ON 1 Demonstrate socio-cultural, economic, legal, environmental knowledge, communication skills, apply information technology, taking into account modern trends in the development of society.

Prerequisites

History of Kazakhstan The module of socio-political knowledge (sociology, political science, cultural studies, psychology)

Postrequisites

Basic and profile disciplines of the EP

Module 2. Psychological-pedagogical and methodological training of personnel

Age psychology and physiology

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	26778 (3013787)
Course	1
Term	1
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

In the course of studying the discipline, a holistic, systemic understanding of human development, mental development in ontogenesis, the basic age patterns of human development throughout the life course, the most important mental characteristics of an emerging personality at various age stages is formed.

Purpose of studying of the discipline

Formation of students` ideas about the diversity of approaches to the development of correct, scientific knowledge, mental and physiological development of a person in ontogenesis on the most important issues of psychology and physiological development in the aspect of cultural development. To equip students with theoretical and practical knowledge that contributes to strengthening their professional psychological, pedagogical and physiological training, in-depth study of the section of psychological and physiological knowledge.

Learning Outcomes

ON2 Apply modern teaching technologies and criteria-based assessment, taking into account the individual, physiological and psychological characteristics of students.

Prerequisites

School course

Postrequisites

Pedagogical practice (psychological and pedagogical)

Pedagogy

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	27635 (3013790)
Course	1
Term	2
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The content of the discipline is aimed at forming students` holistic understanding of the theoretical and methodological foundations of pedagogical science and the essence of professional pedagogical activity. Studying the course allows you to form the necessary knowledge about the content, principles, forms and methods of organizing a holistic pedagogical process in an educational environment. The study of the course forms the necessary competencies for the successful implementation of modern approaches in teaching and learning.

Purpose of studying of the discipline

Pedagogy as an academic discipline aims to form students' knowledge about the object and subject of pedagogy, its functions, categorical apparatus, methodology of science. The study of the course provides for the formation of the necessary competencies in the design and evaluation of the pedagogical process in the conditions of an educational institution. The content of the discipline topics allows you to acquire knowledge and skills in the selection and successful application of forms, means, methods of teaching and upbringing.

Learning Outcomes

ON2 Apply modern teaching technologies and criteria-based assessment, taking into account the individual, physiological and psychological characteristics of students.

Prerequisites

School course

Postrequisites

Basic and profile disciplines of the EP

Inclusive education

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	27690 (3013788)
Course	2
Term	1
Credits count	3
Lectons	15hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	20hours
Independent work of the student	40hours
Total	90hours
Knowledge control form	Examination

Short description of discipline

When studying the discipline, students acquire knowledge about the principles and methodological foundations of inclusive education. Ideas are being formed about modern models of psychological and pedagogical support for children with special needs, the elimination of existing barriers in the legal support of inclusive education and the competence of organization and management in the area of inclusive practice. Get an idea about the models of psychological and pedagogical support for children with disabilities in educational institutions.

Purpose of studying of the discipline

The purpose of this discipline is to familiarize students with the basic provisions of the organization and management of inclusive processes in education; the formation of a dynamic, effective, self-improving specialist, ready for professional activity in an inclusive education, owning innovative technologies for building an educational route for all students, taking into account their individual needs and capabilities, able to provide social psychological and pedagogical support for children and their families.

Learning Outcomes

ON2 Apply modern teaching technologies and criteria-based assessment, taking into account the individual, physiological and psychological characteristics of students.

Prerequisites

Age psychology and physiology

Postrequisites

Pedagogical practice (psychological and pedagogical)

Technologies of the updated content of education and criteria assessment

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	27003 (3013747)
Course	2
Term	1
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

In this course, students are fully acquainted with the general geographical shell, their interaction and the laws of the geographical shell, as well as with the local features of the structure of the geographical environment. During the course, students will learn to identify the main geographical patterns, explore the geographical system united by the flows of matter and energy, correlate, combine natural territories, natural landscapes, evaluate any geographical object.

Purpose of studying of the discipline

Improving the professional competence of future teachers by providing them with detailed information about the updated educational

content

Learning Outcomes

ON2 Apply modern teaching technologies and criteria-based assessment, taking into account the individual, physiological and psychological characteristics of students.

Prerequisites

Pedagogy

Postrequisites

Basic and profile disciplines of the EP

Pedagogical practice

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	27056 (3013796)
Course	2
Term	2
Credits count	1
Pedagogical practices	30hours
Total	30hours
Knowledge control form	Total mark on practice

Short description of discipline

To deepen and consolidate theoretical knowledge and learn how to apply it in solving specific pedagogical tasks. To form and develop pedagogical skills and skills, professionally significant personal qualities. Education of innovative creative type of thinking among students. To teach to plan a system of lessons on a specific topic and to choose various forms and methods of teaching geography and history, to establish interdisciplinary connections, to make a lesson summary, taking into account educational, educational and developmental functions of learning.

Purpose of studying of the discipline

consolidation, deepening and development of theoretical knowledge acquired at the University, the development of professional skills, skills and specific (pedagogical) thinking, the formation of professional and personal qualities, preparation of students for the integral performance of the functions of a subject teacher and class teacher.

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Pedagogy

Postrequisites

Pedagogical practice

Pedagogical practice (psychological and pedagogical)

Discipline cycle	Basic disciplines
Discipline component	Compulsory component
SubjectID	28078 (3013774)
Course	2
Term	2
Credits count	2
Pedagogical practices	60hours
Total	60hours
Knowledge control form	Total mark on practice

Short description of discipline

The content of psychological and pedagogical practice is aimed at forming an idea about the peculiarities of the organization of the educational and pedagogical process and the management system in the holistic pedagogical process of the school. The student gets acquainted with all types and directions of the teacher's activities, including the system of work of the class teacher, observation during lessons and extracurricular activities, psychological and pedagogical diagnostics of the age characteristics of the development of students, conducts psychological and pedagogical educational work.

Purpose of studying of the discipline

The purpose of pedagogical practice is the formation of professional pedagogical competencies related to the design and implementation of the educational process of teaching in the education system, providing conditions for the social and professional adaptation of students, mastering the norms and values of the teaching profession, gaining experience in practical pedagogical activity, becoming a professional orientation of their personality

Learning Outcomes

ON2 Apply modern teaching technologies and criteria-based assessment, taking into account the individual, physiological and psychological characteristics of students.

Prerequisites

Pedagogy

Postrequisites

Pedagogical practice

Pedagogical practice

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	28098 (3013776)
Course	3
Term	2
Credits count	5
Pedagogical practices	150hours
Total	150hours
Knowledge control form	Total mark on practice

Short description of discipline

Pedagogical practice allows students to improve the knowledge gained in previous courses, learn how to apply them in practice, master various teaching methods. During the practice, he fully learns to conduct a pedagogical and psychological analysis of schoolchildren, draw up a lesson plan using modern educational technologies, and effectively use it in practice.

In addition, they analyze and summarize the knowledge gained in the course of practice, form ways of organizing office work.

Purpose of studying of the discipline

formation of students` complete understanding of the chosen profession, acquaintance with the main types and directions of professional activity.

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Educational practice Pedagogical practice

Postrequisites

Undergraduate practice Productive (pedagogical) Practice

Forms and methods of organizing STEM training

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	27064 (3013814)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

In this training course, students will get acquainted with the theoretical and methodological foundations of the possibilities of integrating educational tasks in the scientific direction of natural science and mathematics. STEM teaches you how to build a modern lesson using technology in education. The course develops students` skills in developing and researching relevant cases and specific research tasks for the educational process. Learns to use innovative technologies that promote the development of research skills, fact-checking and collaboration.

Purpose of studying of the discipline

Meeting the educational needs of future teachers and using various methods and tools, including the integration of research, information society, mathematics, geography, chemistry, biology and technologies available in the educational content of STEAM

Learning Outcomes

ON2 Apply modern teaching technologies and criteria-based assessment, taking into account the individual, physiological and psychological characteristics of students.

Prerequisites

School course

Postrequisites

Productive (pedagogical) Practice

Productive (pedagogical) Practice

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27077 (3013821)
Course	4
Term	2
Credits count	15
Working practice	450hours

Total	450hours
Knowledge control form	Total mark on practice

Short description of discipline

During the practice, students can consider themselves full-fledged specialists, improve the areas of scientific research, apply theoretical knowledge in practice. This allows us to pay attention to the comprehensive improvement of educational skills, the comprehensive development of both a professional and a person.

Students improve the theoretical knowledge gained in the learning process, master ways to use it effectively, form ways to solve pedagogical problems that arise in practice.

Purpose of studying of the discipline

consolidation and deepening of theoretical knowledge gained in the course of training, acquisition of practical skills and abilities to independently solve current professional tasks in the field of psychological and pedagogical support of the educational process.

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Pedagogical practice

Postrequisites

Final examination

Module 3. Professional competations 1

The archaeology and history of primitive society

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27640 (3013818)
Course	1
Term	2
Credits count	3
Lectons	15hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	20hours
Independent work of the student	40hours
Total	90hours
Knowledge control form	Examination

Short description of discipline

"Archaeology and the History of Primitive Society» shapes ideas about the peculiarities of archaeology as a science, introduces the methods of archaeological research, provides knowledge of archaeological eras and periods, archaeological cultures of our country, in the reconstruction of the history of human civilization. Explains the process of societal development based on the characteristics of the human industry, culture and social relations

Purpose of studying of the discipline

formation of a holistic view of the processes of anthropo-, socio- and cultural genesis, the main ways of the historical development of mankind, a systematic view of the existing general concepts of archaeological knowledge

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

School course

Postrequisites

New history of Kazakhstan

Ancient Huns

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27633 (3013752)
Course	1
Term	2
Credits count	3
Lectons	15hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	20hours
Independent work of the student	40hours
Total	90hours
Knowledge control form	Examination

Short description of discipline

The course "Ancient Huns" covers the following main problems: Ancient Chinese sources on the Huns before and during the Great Hun

State, the foreign and domestic policy of the Great Hun Empire, its governance and historical figures, the collapse of the power, the Hun Hordes in Eurasia, the Huns and the Western Huns Horde in Europe, its place and significance in world history.

Purpose of studying of the discipline

formation of knowledge on the socio-economic, political history of the Huns

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

School course

Postrequisites

New history of Kazakhstan

History of Kazakhstan in the ancient

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27639 (3013791)
Course	1
Term	2
Credits count	3
Lectons	15hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	20hours
Independent work of the student	40hours
Total	90hours
Knowledge control form	Examination

Short description of discipline

The discipline examines extensive factual material in chronological order, the main stages and originality of historical and ethno-cultural processes, the features of the Stone and Bronze Ages on the territory of Kazakhstan, archaeological cultures, features of the culture of the population of ancient Kazakhstan. Theoretical, methodological, conceptual problems of the ancient history of Kazakhstan in the context of world history events are considered.

Purpose of studying of the discipline

formation of systematic knowledge on the ancient history of Kazakhstan

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

School course

Postrequisites

New history of Kazakhstan

Educational practice

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	26790 (3013739)
Course	1
Term	2
Credits count	2
Study practices	60hours
Total	60hours
Knowledge control form	Total mark on practice

Short description of discipline

Students get acquainted with the standard curricula of the subject, the structure and content of state mandatory standards, the regulatory framework, including the updated content of secondary education in professional activity, the features of pedagogical activity, important professional qualities of a teacher, pedagogical competence. Students form ideas about planning a professional career of a geography and history teacher and an interest in the teaching profession.

Purpose of studying of the discipline

Mastering by students the skills and abilities necessary for the development and creative formation of a future teacher.

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Introduction to the profession of geography and history teacher

Postrequisites

Pedagogical practice

Auxiliary historical disciplines

Discipline cycle	Basic disciplines
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Discipline component	Electives
SubjectID	27055 (3013795)
Course	2
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline introduces the essence and content of auxiliary historical disciplines, as well as the ways in which they are studied and the principles of their practical application. The course provides students with the theory, specific methodologies and techniques of external source criticism. The content of auxiliary history disciplines allows to enrich the known information and to comprehensively master history.

Purpose of studying of the discipline

formation of skills of external criticism of the source, formation of knowledge about the features of sources of various historical periods.

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

History of Kazakhstan

Postrequisites

New history of Kazakhstan

Monetary circulation of medieval Kazakhstan

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27685 (3013753)
Course	2
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The course examines the formation and development of money in the cities of Kazakhstan in the V-XVII centuries. The currency of a number of medieval dynasties and the Kazakh Khanate in Kazakhstan is being studied. Materials of new numismatic studies introduced into scientific circulation are used. The value of money issued in the cities of Ispidzhab, Almaty, Syganak, Sarayshyk, Yasy-Turkestan, Sairam, Sauran in the circulation of medieval money is shown, historical data in monetary terms are analyzed.

Purpose of studying of the discipline

Formation of systematic knowledge on the history of monetary circulation in medieval Kazakhstan

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

History of Kazakhstan

Postrequisites

New history of Kazakhstan

History of Kazakhstan the middle ages

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27693 (3013794)
Course	2
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours

Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

In this course, students are fully acquainted with the general geographical shell, their interaction and the laws of the geographical shell, as well as with the local features of the structure of the geographical environment. During the course, students will learn to identify the main geographical patterns, explore the geographical system united by the flows of matter and energy, correlate, combine natural territories, natural landscapes, evaluate any geographical object.

Purpose of studying of the discipline

Formation of knowledge about the main directions of historical processes, historical events that took place on the territory of Kazakhstan in the Middle Ages

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

History of Kazakhstan

Postrequisites

New history of Kazakhstan

Ancient historiography

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27725 (3013757)
Course	2
Term	2
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline of ancient historiography involves deepening students` knowledge of the history of Ancient Greece and Rome, especially historians and writers who stood at the origins of Greek and Roman historiography, familiarization with the results of scientific research of recent decades.

Purpose of studying of the discipline

The subject is aimed at forming the students` historical consciousness, dealing with the problems of the history of their ancient peoples.

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

School course

Postrequisites

New and recent history of Western countries

Ancient and medieval history of Eastern countries

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27712 (3013741)
Course	2
Term	2
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline studies the main aspects of the political, social, economic development of the ancient, medieval countries of the East, the history of their development. The article analyzes the study of the main features of the transition period of Ancient Eastern society from the first communal society to the state, the process of colonization of the Middle East by Western Europe.

Purpose of studying of the discipline

formation of comprehensive knowledge about the main stages of the formation and development of the countries of the East in antiquity and the Middle Ages

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

School course

Postrequisites

New and recent history of the East

Ancient and medieval history of Western countries

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28079 (3013783)
Course	2
Term	2
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The subject forms a systematic knowledge of the history of the formation and development of the Western European society and state, the main stages of the development of ancient and medieval civilizations, and important events of the era. The course includes the study of the driving forces and laws of the historical process, the place of man in it and in the ancient and medieval socio-political organization, traditional and new ways of evaluating and dividing this period of history into periods.

Purpose of studying of the discipline

Formation of comprehensive knowledge on the ancient and medieval history of Western countries

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

School course

Postrequisites

New and recent history of Western countries

History of China

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27723 (3013755)
Course	2
Term	2
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

Based on the history of the Qing dynasty in the period of the late XVII - early XX century, the culture and science, politics and ideology of China are studied. The author examines its relations with neighboring countries, the nature of the socio-economic and political development of Chinese society during the reign of various dynasties, based on factual data and historiographical material.

Purpose of studying of the discipline

Formation of comprehensive knowledge on the history of China in the context of the development of the world-historical process

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

School course

Postrequisites

Ancient and medieval history of Eastern countries

Monuments of art of the ancient world

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28070 (3013758)
Course	2

Term	2
Credits count	5
Lectures	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

As part of the course, outstanding monuments of art of the ancient world are studied, reflecting part of the material and spiritual culture of mankind. The discipline involves the formation of systemic knowledge on the history of the study of material and written monuments, architecture, archeology, arts and crafts, introduces the main periods

Purpose of studying of the discipline

formation of comprehensive knowledge about the features of monuments of art of the ancient world, the place and role of art of the Ancient world in world history

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

School course

Postrequisites

New and recent history of Western countries

Medieval history of the Asia and the Africa

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27720 (3013754)
Course	2
Term	2
Credits count	5
Lectures	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline studies the development trends of Asian and African countries in the Middle Ages. Periodization, historiographical concepts, information about outstanding historical figures are considered. Historical events and processes in the countries of Asia and Africa are analyzed taking into account the specifics of political organization, the role of the states of the Afro-Asian continent in the history of world civilization.

Purpose of studying of the discipline

formation of comprehensive knowledge about the main historical stages of development of Asian and African countries in the Middle Ages

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

Prerequisites

School course

Postrequisites

New and recent history of the East

Field training practice

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	27011 (3013797)
Course	2
Term	2
Credits count	2
Pedagogical practices	60hours
Total	60hours
Knowledge control form	Total mark on practice

Short description of discipline

In educational practice, students master working with maps and symbols, navigate the terrain without a map and with a map, make a topographic map of the area, perform simple measurements of meteorological quantities and observations of atmospheric phenomena, process and analyze meteorological observations.

Getting acquainted with the methods of archaeological research, students take part in archaeological research directly in the course of

field archaeology and master the methodological foundations of archaeological exploration and excavations.

Purpose of studying of the discipline

development of students` field observation and research skills.

Learning Outcomes

ON3 Integrate the main provisions, concepts and laws in the field of historical disciplines when explaining theoretical and practical tasks.

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

Cartography with the basics of topography Meteorology with the basics of climatology History of Kazakhstan the middle ages

Postrequisites

Pedagogical practice

Module 4. Professional competations 2

Surveying basics of cartography

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	26997 (3013751)
Course	1
Term	2
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This training course is aimed at deepening students` understanding of topographic and geographical maps and their use in scientific research and practice, the process of creating maps, geological research. In the course of studying the discipline, the state and prospects for the development of geodesy and cartography, basic information about topographic maps, the use of topographic maps, plans and aerospace photographs in the field are studied.

Purpose of studying of the discipline

formation of students` clear understanding of the means and methods of geodetic works during topographic and geodetic surveys, creation and correction of topographic plans

Learning Outcomes

ON4 To develop educational resources using modern means of information and information technologies in the educational process.

Prerequisites

School course

Postrequisites

Fundamentals of geoinformatics

Cartography with the basics of topography

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	26804 (3013734)
Course	1
Term	2
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course provides in-depth knowledge of the place of cartography in the system of geographical disciplines, basic cartographic concepts, classification of maps, mathematical foundations, symbols, cartographic mapping methods, geodetic instruments, mapping laws. During the course, students learn to read maps freely, analyze their content, navigate the terrain without maps and with the help of maps, use topographic maps, a compass, geodetic instruments, work with satellite images, aerial photographs.

Purpose of studying of the discipline

The purpose - formation of students` cartographic knowledge necessary in working with geographical and topographic maps and other cartographic works in scientific research and practical work.

Learning Outcomes

ON4 To develop educational resources using modern means of information and information technologies in the educational process.

Prerequisites

School course

Postrequisites

Fundamentals of geoinformatics

The topography of the basics of orienteering

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	26792 (3013750)
Course	1
Term	2
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course covers the basics of topography, local orientation, the preparation of topographic maps and map projections, detailed information about topography. During the course, students learn the basics of the theory and practice of topography and orientation on the ground. As a result of the course, students develop knowledge, skills and abilities that allow them to read maps of the area using symbols, to make the necessary measurements on maps and tourist schemes.

Purpose of studying of the discipline

to give general and special knowledge about topographic maps, their content and methods of creation, possibilities of application for solving applied geographical problems, methods of topographical survey of the area

Learning Outcomes

ON4 To develop educational resources using modern means of information and information technologies in the educational process.

Prerequisites

School course

Postrequisites

Fundamentals of geoinformatics

Geoinformation modeling of natural-territorial complexes

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27058 (3013800)
Course	3
Term	1
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This discipline studies the issues of geoinformation modeling of natural territorial complexes and processes in the environment. When studying the discipline, students develop skills in creating electronic maps, modeling natural objects, spatial analysis, and using GIS in geographical research. Create databases in a GIS environment, process quantitative data and carry out research projects using modern GIS technology.

Purpose of studying of the discipline

Mastering the theoretical and practical provisions of geoinformation modeling, designing a spatial data base and GIS.

Learning Outcomes

ON4 To develop educational resources using modern means of information and information technologies in the educational process.

ON5 Explain the results of experimental research in the form of a report, a scientific report, a report, conclusions.

Prerequisites

Cartography with the basics of topography

Postrequisites

Application of ICT in the teaching of geography

Fundamentals of geoinformatics

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27016 (3013798)
Course	3

Term	1
Credits count	5
Lectures	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course introduces students to information about modern cartographic methods: digital map models, working with electronic maps, the functioning of geographical information systems, interconnections, geoinformation methods, features of GIS technologies, computer programs used in cartography, geographical databases, visualization of geographical data. Complements the knowledge about the basic ideas, principles and patterns of GIS application in geographical sciences, about the limits of the possibilities of GIS application in solving geographical problems.

Purpose of studying of the discipline

to form a theoretical understanding and skills of knowledge of geoinformation technologies, methods of creating and using GIS, geoinformation methods of geographical research and cartographic analysis of spatial data

Learning Outcomes

ON4 To develop educational resources using modern means of information and information technologies in the educational process.

ON5 Explain the results of experimental research in the form of a report, a scientific report, a report, conclusions.

Prerequisites

Cartography with the basics of topography

Postrequisites

Application of ICT in the teaching of geography

Basics of remote sensing

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27057 (3013799)
Course	3
Term	1
Credits count	5
Lectures	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The course is aimed at developing knowledge about modern methods of obtaining remote sensing data for various tasks of geographical research and practical skills in collecting, digital processing and thematic interpretation of aerospace images. The course covers topics such as data acquisition technologies and the physics of remote sensing; properties and features of processing images of various types; fundamentals of thematic interpretation of remote sensing data in geographical research.

Purpose of studying of the discipline

Formation of basic knowledge in the field of physical foundations of aerospace systems, mathematical methods for solving direct and inverse problems of remote sensing of the Earth

Learning Outcomes

ON4 To develop educational resources using modern means of information and information technologies in the educational process.

ON5 Explain the results of experimental research in the form of a report, a scientific report, a report, conclusions.

Prerequisites

Cartography with the basics of topography

Postrequisites

Application of ICT in the teaching of geography

Electronic educational resources

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	27015 (3013785)
Course	3
Term	1
Credits count	5
Lectures	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours

Total	150hours
Knowledge control form	Examination

Short description of discipline

This course is aimed at preparing students of pedagogical specialties to develop flexibility and skills in the field of modern information, communication and educational technologies. The course has a structure that includes independent modules. During the course, he gets acquainted with the methods of creating electronic educational materials on the subject.

Exploring the possibilities of modern tools and online services for creating digital educational resources, training in working with tools for creating graphics and infographics.

Purpose of studying of the discipline

Studying the possibilities of using electronic educational resources in solving professional problems.

Learning Outcomes

ON4 To develop educational resources using modern means of information and information technologies in the educational process.

ON5 Explain the results of experimental research in the form of a report, a scientific report, a report, conclusions.

Prerequisites

Information and communication technology

Postrequisites

Application of ICT in the teaching of geography

Application of ICT in the teaching of geography

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	28096 (3013768)
Course	3
Term	2
Credits count	5
Lections	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This discipline introduces students to the possibilities of using various educational applications and information and communication technologies in geography lessons. Students study approaches and services for creating digital educational resources, learn how to effectively use information and communication technologies in geography lessons at school. Students acquire the skills to work with educational platforms, websites and learn to apply the acquired knowledge in their professional activities.

Purpose of studying of the discipline

The acquisition of professional and personal competencies that allow students to use modern information and communication technologies in various areas of professional activity, scientific and practical activities, self-study and other purposes.

Learning Outcomes

ON4 To develop educational resources using modern means of information and information technologies in the educational process.

ON5 Explain the results of experimental research in the form of a report, a scientific report, a report, conclusions.

Prerequisites

Electronic educational resources

Postrequisites

Productive (pedagogical) Practice

Scientific basis of research

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	27063 (3013832)
Course	4
Term	1
Credits count	4
Lections	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	25hours
Independent work of the student	50hours
Total	120hours
Knowledge control form	Examination

Short description of discipline

This course allows students to form competencies in the field of organization, planning and conducting research work as the basis for the professional training of future teachers. The course includes the study of the essence of scientific knowledge, methods of scientific research, organization and

planning of research activities. When studying the course, students realize the importance of research work, the ways of its organization, master the ways of its effective implementation in the scientific field.

Purpose of studying of the discipline

to acquaint students with the main types of scientific activity and the specifics of the implementation of scientific research

Learning Outcomes

ON5 Explain the results of experimental research in the form of a report, a scientific report, a report, conclusions.

ON8 Interpret information and sources in terms of their reliability and scientific character.

Prerequisites

Methodology of geograph training Methods of teaching history Pedagogy

Postrequisites

Productive (pedagogical) Practice

Module 5. Professional competations 3

Introduction to the profession of geography and history teacher

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	26749 (3013792)
Course	1
Term	1
Credits count	3
Lectons	15hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	20hours
Independent work of the student	40hours
Total	90hours
Knowledge control form	Examination

Short description of discipline

In this course, students will learn about the concept of a teacher, its meaning, the function of the profession, the requirements for a modern teacher, and the prospects for the development of the pedagogical profession. Considers the description of pedagogical action and its constituent elements. Get acquainted with the professional and personal formation and development of the teacher, his competence, legal bases of pedagogical activities. learns the profession by performing various tasks that require creativity.

Purpose of studying of the discipline

ensuring the education of students in pedagogical activity and professional skills

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

School course

Postrequisites

Pedagogy

Methodology of geograph training

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27008 (3013746)
Course	2
Term	2
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course covers the requirements of the state educational standard on geography in general education schools, the content, structure, methodological apparatus of school programs and textbooks on geography, methods of teaching geography, methods of using tools for teaching geography, the use of basic pedagogical technologies in the educational process. Provides students with knowledge on the theoretical and methodological basis of primary methodological creative activity in performing the functions of a geography teacher.

Purpose of studying of the discipline

form in students future teachers of geography, understanding of theoretical and methodological foundations of methodological science, to teach creative

application of acquired knowledge in the organization and implementation of the process teaching geography at school.

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Pedagogy

Postrequisites

Technologies of the updated content of education and criteria assessment

Organization and forms of independent work of pupils in geography

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27010 (3013762)
Course	2
Term	2
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course discusses the methods and forms of organization of independent work of students in the study of the school course of geography, methods of practical, field, extracurricular activities. Students learn the practice of organizing and conducting independent work in the classroom and extracurricular activities. Students receive skills for independent work in field research, the development of visual materials for the school geography course. Familiarize yourself with the criteria for evaluating independent work.

Purpose of studying of the discipline

expansion of the list of practical works that focus on active and independent knowledge of phenomena and processes that develop practical and creative skills of students

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Pedagogy

Postrequisites

Technologies of the updated content of education and criteria assessment

Modern technologies in teaching geography

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27009 (3013761)
Course	2
Term	2
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The course describes the main methods of modern technologies for teaching geography and reveals ways to use them effectively in the classroom and in extracurricular activities. During the course, students gain an understanding of various learning technologies and learn how to use them in teaching geography. Students make a theoretical review of the main teaching technologies in a modern school, understand the importance of using various technologies in teaching geography to achieve the planned results.

Purpose of studying of the discipline

Methodical preparation of students for teaching geography and teaching the use of new technologies in the classroom.

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Pedagogy

Postrequisites

Technologies of the updated content of education and criteria assessment

Methods of teaching history

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	27014 (3013780)
Course	3
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course examines theoretical issues of history teaching in higher education on the basis of the methodology of history lesson organisation and the updated high school curriculum. You learn how to teach history using visual aids, historical documents, traditional and non-traditional types of lessons and the organisation of extra-curricular activities, and use them in practical classes and teaching practice.

Purpose of studying of the discipline

formation of comprehensive knowledge on the methodology of teaching history

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Pedagogy

Postrequisites

Studying the history of the native land in high school

Extracurricular activities in teaching the history of the region

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	28103 (3013804)
Course	3
Term	2
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

Students master the specifics of extracurricular work on the history of their native land at school; consider the methodology of organizing various forms of extracurricular work, methods of designing a system of extracurricular work, the use of various means of organizing and methods of extracurricular work on the history of their native land in a modern school.

Purpose of studying of the discipline

formation of knowledge on the methodology of organizing extracurricular work on the history of the native land

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Methodology of geograph training

Postrequisites

Productive (pedagogical) Practice

Studying the history of the native land in high school

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	28102 (3013782)
Course	3
Term	2
Credits count	5
Lectons	30hours

Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

During the course students will expand their abstract knowledge of the historical past of East Kazakhstan region, analyze historical processes with the help of concrete facts obtained at different stages of regional history.

Students will gain an understanding of the experimental work programme for the History of East Kazakhstan course, the methodological handbook and the annotated bibliography on the history of East Kazakhstan.

Purpose of studying of the discipline

formation of knowledge on the methodology of studying the history of the native land at school

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Methodology of geograph training

Postrequisites

Productive (pedagogical) Practice

Methods of teaching a variable course on the history of the native land

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	28100 (3013781)
Course	3
Term	2
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

During the course, students develop a system of physical and geographical knowledge about the diversity of the nature of the continents and

natural factors that determine the regional features of the oceans and territories

water bodies, their impact on human life and the ecological situation. Based on the course, the diversity of the nature of continents and oceans is considered in detail and the physical and geographical features of the planet are described in detail.

Purpose of studying of the discipline

formation of knowledge on the methodology of teaching a variable course on the history of the native land

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Methods of teaching history

Postrequisites

Productive (pedagogical) Practice

Module 6. Professional competations 4

Historical geography of Kazakhstan

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28087 (3013802)
Course	3
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours

Knowledge control form

Examination

Short description of discipline

This discipline examines the influence of the geographical environment on the development of Kazakhstan. The process of formation of the population of Kazakhstan, its ethnic composition, location in ancient times and at the present stage is studied. The course forms an idea of changing the borders of the state in different periods of history, internal administrative-territorial division, localization of settlements.

Purpose of studying of the discipline

Formation of students` knowledge on the historical geography of Kazakhstan

Learning Outcomes

ON8 Interpret information and sources in terms of their reliability and scientific character.

Prerequisites

School course

Postrequisites

New and recent history of the East

History of Eastern Alashorda

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28089 (3013803)
Course	3
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline examines the socio-political situation in Kazakhstan after the February Revolution, the mood of the people and the national intelligentsia, the formation of the Alash party. When studying the course, students form knowledge about the activities of the government of the Alash in the Semey. The course highlights the source base and historiography of the Alash Orda movements.

Purpose of studying of the discipline

formation of students` knowledge on the history of the Eastern Branch of Alash-Orda

Learning Outcomes

ON8 Interpret information and sources in terms of their reliability and scientific character.

Prerequisites

School course

Postrequisites

New and recent history of the East

The history of the Turkic peoples

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28085 (3013801)
Course	3
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The course examines the history of the Turkic peoples as a single process, an integral part of world history. The discipline analyzes the historical roots of the origin of the Turkic peoples, their ethnic, political and cultural identity, and the political, cultural processes in the medieval Turkic associations in the late Medieval period, in modern times of history.

Purpose of studying of the discipline

Formation of knowledge on the history of the Turkic peoples as a single process, an integral part of world history

Learning Outcomes

ON8 Interpret information and sources in terms of their reliability and scientific character.

Prerequisites

School course

Postrequisites

New and recent history of the East

Actual problems of the new and modern history of East Kazakhstan

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	28111 (3013807)
Course	3
Term	2
Credits count	5
Lectures	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline forms an idea of the actual problems of the history of East Kazakhstan in modern and modern times. The article considers the entry of East Kazakhstan into the Russian Empire, the influence of the administrative policy of the Russian Empire on the socio-economic development of the region. The emergence of social movements, the anti-nuclear movement "Nevada-Semipalatinsk."

Purpose of studying of the discipline

Formation of knowledge on topical issues of socio-economic, political and cultural development of East Kazakhstan in new and modern times

Learning Outcomes

ON8 Interpret information and sources in terms of their reliability and scientific character.

Prerequisites

History of Kazakhstan

Postrequisites

New history of Kazakhstan

Spiritual culture of the Kazakh people

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	28107 (3013806)
Course	3
Term	2
Credits count	5
Lectures	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The course of the history of spiritual culture of the Kazakh people examines the peculiar process of formation and development of the historical and cultural life of the Kazakh nomadic society, its language, worldview, types of folk culture, the spiritual foundations of Kazakh culture. Discipline helps to substantiate the importance of spiritual development, and the ways of their development.

Purpose of studying of the discipline

Formation of knowledge about the peculiarities of the formation and development of the traditional spiritual culture of the Kazakh people

Learning Outcomes

ON8 Interpret information and sources in terms of their reliability and scientific character.

Prerequisites

History of Kazakhstan

Postrequisites

Productive (pedagogical) Practice

Ethnology

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	28104 (3013805)
Course	3
Term	2
Credits count	5
Lectures	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours

Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The conceptual apparatus of ethnology, methods of collection, processing and interpretation of ethnological material, sources, main schools and trends, their most prominent representatives are studied. The basic principles of classification of the peoples of the world, ethnogenesis and ethnic history, modern ethnic picture are studied, the characteristics of historical and ethnographic regions and peoples in domestic and foreign ethnological science are given.

Purpose of studying of the discipline

formation of knowledge about the modern theoretical and methodological foundations of the science of the peoples of the world, skills of independent research and expert work corresponding to the current level of development of world ethnology

Learning Outcomes

ON8 Interpret information and sources in terms of their reliability and scientific character.

Prerequisites

Ancient and medieval history of Eastern countries Ancient and medieval history of Western countries

Postrequisites

New and recent history of Western countries New and recent history of the East

Module 7. Professional competations 5

Meteorology with the basics of climatology

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27002 (3013743)
Course	2
Term	1
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course examines the composition and structure of the Earth's atmosphere, the main atmospheric processes, radiation and heat balance, moisture circulation in the atmosphere, circulation in the atmosphere, climate of the Earth's surface, methods of meteorological observations. It teaches you how to correctly analyze data related to geographical phenomena and processes, the names and design of the main meteorological instruments, the principles of operation, and the ability to monitor the weather using simple meteorological instruments.

Purpose of studying of the discipline

to expand students' knowledge about the atmosphere, the nature of physical phenomena in it, the laws of climate formation and the geographical distribution of climate.

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

School course

Postrequisites

Physical geography of continents and oceans

General geography

Discipline cycle	Basic disciplines
Discipline component	University component
SubjectID	26999 (3013742)
Course	2
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course looks at the components of the earth's crust and general planetary properties, the study of the landscape and the landscape

sphere, research methods and scientific directions of physical geography.

Students study the components of the earth's crust, taking into account the knowledge gained in the disciplines of the natural cycle, and receive systematized knowledge about their features and patterns of development.

Purpose of studying of the discipline

Formation of knowledge about the geographical shell, its structure, the relationship between the geographical environment and society.

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

School course

Postrequisites

Physical geography of continents and oceans

Modern climate change's problems

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27004 (3013756)
Course	2
Term	1
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course provides students with in-depth knowledge of modern global problems, the main causes of climate change, climate-forming factors, the influence of humanity on the climate, the main methods of studying climate. During the course, students will learn how to observe the weather, identify and explain the true causes of climate change, as well as explore the prerequisites for climate change, work with meteorological instruments.

Purpose of studying of the discipline

Formation of students' knowledge about the basic principles of adaptation of natural and anthropogenic systems to climate change and mitigation of its consequences.

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

School course

Postrequisites

Physical geography of continents and oceans

The doctrine of geosystems

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27007 (3013793)
Course	2
Term	1
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

In this course, students are fully acquainted with the general geographical shell, their interaction and the laws of the geographical shell, as well as with the local features of the structure of the geographical environment. During the course, students will learn to identify the main geographical patterns, explore the geographical system united by the flows of matter and energy, correlate, combine natural territories, natural landscapes, evaluate any geographical object.

Purpose of studying of the discipline

to form students' complete understanding of the geographical envelope, its components (geosystems of various ranks), the structure and laws of functioning of the landscape sphere of the Earth, various natural and anthropogenic geodynamic processes.

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

School course

Postrequisites

Physical geography of continents and oceans

Geoecology of Kazakhstan

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27061 (3013764)
Course	3
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

In the course of studying this discipline, young specialists get acquainted with modern environmental problems of the geological environment, the interaction of the geological environment and the Technosphere. Students master the basic methods of ecological and geological mapping of territories. This course assesses the pollution of air, water, reservoirs, lithosphere in the Republic of Kazakhstan and equips students with theoretical and practical knowledge on the subject describing the environmental situation in the regions.

Purpose of studying of the discipline

to give students a general idea of the geo-ecological situation in Kazakhstan.

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

Cartography with the basics of topography

Postrequisites

Nature management and geoecology

History of geographical research of the territory of Kazakhstan

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27060 (3013763)
Course	3
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

Course on the history of geographical exploration of the territory of Kazakhstan

Contains the first geographical information about the lands of Kazakhstan and information about the Great Silk Road. Students get acquainted with the research of ancient scientists. During the course, students will study the history of the origin of toponyms, as well as physical and geographical studies of scientists and get acquainted with valuable geographical information about the lands of Kazakhstan in the Middle Ages

Purpose of studying of the discipline

to form a historical and geographical culture by studying the history of geographical research on the territory of Kazakhstan from ancient times to the present day

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

Cartography with the basics of topography

Postrequisites

Nature management and geoecology

Physical geography of Kazakhstan

Discipline cycle	Profiling discipline
Discipline component	Electives

SubjectID	27059 (3013744)
Course	3
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The course covers the geographical location and borders of Kazakhstan, the work of scientists studying the natural environment, geological history and paleogeography, geomorphological regions, modern landforms, climate, inland waters, soil cover, environmental problems of flora and fauna, the importance of protected areas. The largest natural complexes and physical-geographical regions of Kazakhstan are described. Knowledge about the ecological state of the natural environment of Kazakhstan is being formed.

Purpose of studying of the discipline

familiarization of students with the peculiarities of the nature of Kazakhstan and the basic laws of its formation; the history of studying the nature of the republic, the features of the components of the nature of the territory, physical and geographical countries and regions, the principles of physical and geographical zoning

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

Cartography with the basics of topography

Postrequisites

Nature management and geoecology

Physical geography of continents and oceans

Discipline cycle	Profiling discipline
Discipline component	University component
SubjectID	28099 (3013745)
Course	3
Term	2
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

During the course, students develop a system of physical and geographical knowledge about the diversity of the nature of the continents and

natural factors that determine the regional features of the oceans and territories

water bodies, their impact on human life and the ecological situation. Based on the course, the diversity of the nature of continents and oceans is considered in detail and the physical and geographical features of the planet are described in detail.

Purpose of studying of the discipline

knowledge of the general planetary and regional patterns of formation, functioning spatial differentiation and economic use natural geosystems of a large taxonomic rank, such as the mainland, country, region.

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

General geography

Postrequisites

Nature management and geoecology

Module 8. Professional competations 6

Location geography of the population of Kazakhstan

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28092 (3013765)
Course	3
Term	2

Credits count	5
Lectures	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The course defines the concepts of "population resettlement" and "population density", studies the main differences between the resettlement of peoples in different parts of the world and countries and the placement of peoples on the territory of Kazakhstan. During the course, a description of the factors affecting the distribution of the population on the territory of Kazakhstan: climate, relief, natural resources, historical factors, etc. will be considered in detail. The features of human adaptation to natural conditions are described.

Purpose of studying of the discipline

to form general information on the number, density and distribution of the population of Kazakhstan among students.

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Cartography with the basics of topography

Postrequisites

Country studies and the basics of political geography

Political geography the basics of geopolitics

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28095 (3013767)
Course	3
Term	2
Credits count	5
Lectures	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

In general, the purpose of studying this discipline is to study the spatial and territorial aspects of politics and the socio-economic life of various states or groups of states.

During the course, students will get acquainted with the basics of the theory and methodology of political geography and geopolitics.

To be able to put into practice the theoretical knowledge of the main approaches and methods of economic and geographical research, political geography and geopolitics, the geography of the main sectors of the economy, their main geographical patterns, location and development factors.

Purpose of studying of the discipline

to give students a comprehensive understanding of the basic laws and specifics of the territorial organization of the population and economy of the Republic of Kazakhstan and its districts, highlighting the main problems of socio-economic development in the modern period.

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Cartography with the basics of topography

Postrequisites

Country studies and the basics of political geography

Economic and social geography of Kazakhstan

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28094 (3013766)
Course	3
Term	2
Credits count	5
Lectures	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This discipline considers the economic geographical position of Kazakhstan, population and labor resources, agriculture, coal, oil, gas industry, electric power industry, metallurgical complex, chemistry, building materials industry, mechanical engineering, agro-industrial complex, food, light industry, infrastructure complex. Students acquire knowledge about the economic regions of Kazakhstan: Central, Eastern, Western, Northern, Southern, the economic situation of Kazakhstan, Kazakhstan's place in the world community.

Purpose of studying of the discipline

to give students a comprehensive understanding of the basic laws and specifics of the territorial organization of the population and economy of the Republic of Kazakhstan and its districts, highlighting the main problems of socio-economic development in the modern period.

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Cartography with the basics of topography

Postrequisites

Country studies and the basics of political geography

Actual problems of native history

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	27074 (3013759)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline forms the knowledge of theoretical positions on conceptual problems of National history. The course examines the problems of ethnogenesis of Kazakhs, the evolutionary development of Kazakh statehood and civilization, the phenomenon of nomadism, the colonization of the Russian Empire, the national liberation struggle of the Kazakh people for independence, Soviet modernization of Kazakhstan, modern economic, political, cultural processes.

Purpose of studying of the discipline

Formation of knowledge on current problems and history of Kazakhstan

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

History of Kazakhstan

Postrequisites

Productive (pedagogical) Practice

History of the Kazakh diaspora

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28117 (3013760)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The subject of the history of the Kazakh diaspora is an independent subject in the cycle of social-humanitarian sciences. History of Diaspora - studies historical, socio-political, cultural and everyday problems of the Kazakh diaspora. The course allows students to analyze the main stages of formation of the Kazakh diaspora, topical issues of development abroad, modern development of the Kazakh diaspora.

Purpose of studying of the discipline

Formation of systematic knowledge about the main stages, causes, historical conditions of the emergence of the Kazakh Diaspora

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

History of Kazakhstan

Postrequisites

Productive (pedagogical) Practice

New and recent history of the East

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	30944 (3013815)
Course	4
Term	1
Credits count	3
Lectons	15hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	25hours
Independent work of the student	40hours
Total	95hours
Knowledge control form	Examination

Short description of discipline

Students master scientific concepts about the political, socio –economic situation of the countries of Asia, partly Africa (the countries of Northern Africa) in the new and modern period, give a comparative description of historical events. Based on historical data, he identifies the origins of culture and civilization of the East, conducts historical analysis, learns about the patterns and stages of human society development.

Purpose of studying of the discipline

Formation of knowledge about the main stages of the history of the countries of the East in modern and modern times

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Ancient and medieval history of Eastern countries

Postrequisites

Productive (pedagogical) Practice

New history of Kazakhstan

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28121 (3013784)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The course is devoted to the problems of national history of the XVIII- early XX century. The role of Kazakhstan in the system of international relations of the XVIII-XIX centuries, the stages of transformation into a colony of the Russian Empire, the social and political development of Kazakhstan at the beginning of the XX century, the activities of the Kazakh intelligentsia.

Purpose of studying of the discipline

Formation of knowledge on the new history of Kazakhstan

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

History of China

Postrequisites

Productive (pedagogical) Practice

The new history of the countries of Asia and Africa

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28735 (3013816)
Course	4
Term	1
Credits count	3
Lectons	15hours

Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	20hours
Independent work of the student	40hours
Total	90hours
Knowledge control form	Examination

Short description of discipline

The course focuses on the study of the period of world history, when the process of disintegration of European traditional society unfolded, accompanied by the formation of a bourgeois social system and the emergence of a new civilization, examines the socio-economic, political processes that formed the fundamental development of the western region in the XVII – early XX centuries.

Purpose of studying of the discipline

Formation of knowledge about the main stages of the history of Asian and African countries in modern times

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Ancient and medieval history of Eastern countries

Postrequisites

Productive (pedagogical) Practice

New history countries of the Europe and the America

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28118 (3013771)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline is aimed at studying the most important problems of modern history. The period of completion of the industrial revolution in the most industrially developed countries, the process of disintegration of the European traditional society, accompanied by the revolutionary formation of the bourgeois social system and the emergence of an industrial (new) civilization, are considered.

Purpose of studying of the discipline

mastering the totality of facts and phenomena of the new history of the countries of Europe and America based on the analysis of sources and research literature

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Ancient and medieval history of Western countries

Postrequisites

Productive (pedagogical) Practice

The newest history of the countries of Asia and Africa

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28122 (3013817)
Course	4
Term	1
Credits count	3
Lectons	15hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	20hours
Independent work of the student	40hours
Total	90hours
Knowledge control form	Examination

Short description of discipline

The modern history course of Asia and Africa considers the process of formation of the society of the countries of the world, its development, objectively comprehensive development of historical events on the basis of real historical material. The modern history course of Asian and African countries shows the historical events that took place between the countries aimed at revealing the direction of general historical processes.

Purpose of studying of the discipline

Formation of knowledge about the main stages of the history of Asian and African countries in modern times

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Ancient and medieval history of Eastern countries

Postrequisites

Productive (pedagogical) Practice

Contemporary History of the Europe and the America

Discipline cycle	Basic disciplines
Discipline component	Electives
SubjectID	28119 (3013772)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline is designed to form a comprehensive understanding of the main trends in the political, economic, and cultural development of the leading countries and regions of Europe and America in the XX - early XXI centuries. The course forms objective ideas about the specifics of the evolution of Western civilization, and the formation of a modern post-industrial, information civilization.

Purpose of studying of the discipline

Learning Complex, which is on the modern history of Europe and America to effectively organize the classes. In order to increase the incentives for education to be a careful history and the results of the analysis of historical facts and events for the active involvement of students historical knowledge, we need to create a strong taught to students.

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Ancient and medieval history of Western countries

Postrequisites

Productive (pedagogical) Practice

The geography of cities

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27066 (3013819)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

In general, when mastering this discipline, students study cities and form geodemographic knowledge. In the course of mastering the discipline, they will be armed with scientific theoretical knowledge of the basics of urban settlement of the countries of the world and regions of Kazakhstan. Students assess the economic and geographical position of cities and the urban environment in a modern context.

Purpose of studying of the discipline

Formation of a holistic view of the general geographical patterns of the process of world urbanization, the nature, trends and problems of the development of large urban systems in the context of globalization

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Economic and social geography of Kazakhstan

Postrequisites

Productive (pedagogical) Practice

The geography of international relations

Discipline cycle	Profiling discipline
Discipline component	Electives

SubjectID	27067 (3013813)
Course	4
Term	1
Credits count	5
Lections	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course establishes the periodic table of elements for international studies. He studies the mechanisms and forms of territorial administration, the geopolitical structure of the world, represented by many territorial models, and the theoretical problems of world geopolitical cycles. Considers geopolitical factors in international relations, the possibilities and ways of the new economic policy, ways to determine the effective balance of universal and state interests in international relations.

Purpose of studying of the discipline

formation of skills of free orientation on new economic horizons, introducing students to the new geo-economic world, international relations.

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Economic and social geography of Kazakhstan

Postrequisites

Productive (pedagogical) Practice

Geography of natural resources

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27071 (3013808)
Course	4
Term	1
Credits count	5
Lections	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This training course deals with the development and distribution of territorial complexes of natural resources and their use. In the course of mastering the discipline, students learn the patterns of distribution of natural resources on earth, get acquainted with the territorial features of research and the problems of uneven distribution of natural resources.

Armed with theoretical and practical knowledge on the problems of rational use of resources in various regions of the world and ways to solve them

Purpose of studying of the discipline

To study the laws of distribution of natural resources on the earth`s surface, territorial features and problems of uneven distribution of natural resources.

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Economic and social geography of Kazakhstan

Postrequisites

Productive (pedagogical) Practice

Landscaping

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27068 (3013811)
Course	4
Term	1
Credits count	5
Lections	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours

Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This discipline covers the history of landscape studies, the main methods of landscape research, the vertical and horizontal structure of the landscape, its morphology, examines in detail the classification of landscapes. Students acquire knowledge about the main taxonomic units of landscape zoning, dynamic processes in landscapes, zoning of natural and anthropogenic landscapes of Kazakhstan, landscape and ecological mapping, as well as the main directions of applied landscape research.

Purpose of studying of the discipline

formation of modern knowledge and skills about landscapes (geosystems), their structure, properties, dynamics, geoecological and geochemical principles of designing and using natural and anthropogenic landscapes.

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

Physical geography of continents and oceans

Postrequisites

Productive (pedagogical) Practice

New and recent history of Western countries

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27073 (3013770)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

The discipline examines the historical development of Western countries in the context of world history, introduces students to the scientific categorical apparatus, the main sources for the studied period. While studying the course, students form systematic knowledge on the basic concepts of social development of Western countries, the process of formation of the world system of international relations

Purpose of studying of the discipline

the study of the features of the political, economic and social development of the states of Europe and America from the XVII century to the present day and the identification of common specific features characteristic of these countries at this stage of the world historical process. To contribute to the development of professional competence of bachelor in pedagogical education on the basis of the formation of students` holistic view of the peculiarity of the socio-economic and cultural development of the countries of Europe and America.

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Ancient and medieval history of Western countries

Postrequisites

Productive (pedagogical) Practice

Basics of tourism

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27062 (3013769)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

Disciplines provides students with information about the theoretical foundations of tourism, introduces students to the basic concepts of the tourism industry, and the economic and social effectiveness of tourism and forms knowledge about the main factors.

*Elements of local history and sports orientation of tourism are studied in detail. Introduces the terms used in the field of tourism
Develops economic and environmental education of students, taking into account tourism.*

Purpose of studying of the discipline

The influence of elements of local history and sports orientation of tourism on the formation of a comprehensive personality. Creating conditions for self-development and social adaptation.

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Economic and social geography of Kazakhstan

Postrequisites

Productive (pedagogical) Practice

Nature management and geocology

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27070 (3013809)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course covers types of nature management and their impact on the environment, principles of rational nature management, pollution of geospheres, geoecological zoning, anthropogenic factors, global environmental problems, world experience and innovative technologies in their solution. Students supplement their knowledge on environmental problems of Kazakhstan, human development issues, their criteria, peacemaking, energy and raw materials, the world ocean, problems of developing countries, geoglobalization.

Purpose of studying of the discipline

to form knowledge about the geographical envelope and its constituent natural territorial complexes of different ranks, about the methodological foundations of physical and geographical zoning

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

Physical geography of continents and oceans

Postrequisites

Productive (pedagogical) Practice

Country studies and the basics of political geography

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27065 (3013939)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This discipline forms knowledge about the regions of the world, physical- geographical, historical- cultural, political- geographical, historical- geographical zoning, geopolitical areas. Students receive systemic knowledge about the methods of comparing countries, indicators of the development of demographic, methodological, information technologies used in comparing countries, calculating the gross domestic product, the global competitiveness index, global geopolitical space, geopolitical factors in geopolitics, morphology of the state territory, state borders.

Purpose of studying of the discipline

comprehensive study of countries and their regions, systematization of various data on their nature, population, economy, culture and socio-political organization

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Economic and social geography of Kazakhstan

Postrequisites

Productive (pedagogical) Practice

Physico-geographical regionalization

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27069 (3013810)
Course	4
Term	1
Credits count	5
Lectons	30hours
Practical and seminar classes	15hours
Independent work of a student under the guidance of a teacher	35hours
Independent work of the student	70hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

This course forms students` knowledge of the physico-geographical complex and its composition, the development of scientific representations of physico-geographical zoning, principles and methods, the system of taxonomic units, physico-geographical boundaries. Students learn about the current state of physical and geographical zoning of continents, oceans, mountain systems, Physical and geographical zoning of the CIS countries and Kazakhstan, applied zoning, systematically acquires knowledge about the importance of physical and geographical zoning.

Purpose of studying of the discipline

to form knowledge about the geographical envelope and its constituent natural territorial complexes of different ranks, about the methodological foundations of physical and geographical zoning

Learning Outcomes

ON9 Describe the patterns of formation of natural complexes and identify the features of the interaction between nature and society at the present stage.

Prerequisites

Physical geography of continents and oceans

Postrequisites

Productive (pedagogical) Practice

Economic, social and political geography of the world

Discipline cycle	Profiling discipline
Discipline component	Electives
SubjectID	27072 (3013773)
Course	4
Term	1
Credits count	5
Lectons	15hours
Practical and seminar classes	30hours
Independent work of a student under the guidance of a teacher	30hours
Independent work of the student	75hours
Total	150hours
Knowledge control form	Examination

Short description of discipline

Explains the formation of the economic, social, political map of the world in the course of economic and social geography, its content. Examines the main economic, social, and financial patterns. To teach how to apply data on economic, social and political geography in the practice of everyday life. During the course, students study economic sectors around the world, features of development, influence factor, concepts of import, export.

Purpose of studying of the discipline

Formation of students` knowledge about the basic concepts of the world economy, the international division of labor, the general features of states depending on the level of economic development, the development of industry and agriculture.

Learning Outcomes

ON10 Apply knowledge of economic and social geography, new and recent history of the world in pedagogical activity.

Prerequisites

Economic and social geography of Kazakhstan

Postrequisites

Productive (pedagogical) Practice

Undergraduate practice

Discipline cycle	Profiling discipline
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Discipline component	Electives
SubjectID	27076 (3013777)
Course	4
Term	2
Credits count	15
Undergraduate practice	150hours
Total	150hours
Knowledge control form	Total mark on practice

Short description of discipline

Pre-diploma practice is focused on the consideration of many issues and tasks set in the assignment for the thesis. In this regard, each graduate student undergoes an internship according to an individual plan, the content of which is determined by the topic of the thesis and the base of practice. An individual internship plan is developed by the student on the basis of the task for the thesis and approved by the head of the internship.

Purpose of studying of the discipline

Formation of practical skills related to the conduct of geographical research for the purpose of comprehensive use in further professional activities on the basis of theoretical knowledge gained in the learning process, collection and processing of practical material necessary for the thesis.

Learning Outcomes

ON6 To educational material on all issues of the school and university program of geographical and historical disciplines for everyday professional activities.

ON7 Apply a variety of teaching and upbringing methods in geography and history lessons.

Prerequisites

Basic and profile disciplines of the EP

Postrequisites

Final examination

Final examination

Writing and defending a thesis or preparing and passing a comprehensive exam

Graduate work

Credits count	8
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Final examination

Credits count	8
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4. Summary table on the scope of the educational program «6B01512 - Geography-History»

Name of discipline	Cycle/ Component	Term	Number of credits	Total hours	Lec	SPL	LC	IWST	IWS	Knowledge control form
Module 1. Fundamentals of social and humanitarian knowledge										
Foreign language	GER/CC	1	5	150		45		35	70	Examination
Kazakh language	GER/CC	1	5	150		45		35	70	Examination
The module of socio-political knowledge (sociology, political science, cultural studies, psychology)	GER/CC	1	8	240	30	45		55	110	Examination
Russian language	GER/CC	1	5	150		45		35	70	Examination
Physical Culture	GER/CC	1	2	60		60				Differentiated attestation
Kazakh language	GER/CC	2	5	150		45		35	70	Examination
Foreign language	GER/CC	2	5	150		45		35	70	Examination
Bases of economics, law and ecological knowledge	GER/US	2	5	150	15	30		35	70	Examination
Russian language	GER/CC	2	5	150		45		35	70	Examination
Physical Culture	GER/CC	2	2	60		60				Differentiated attestation
History of Kazakhstan	GER/CC	3	5	150	30	15		35	70	Qualification examination
Physical Culture	GER/CC	3	2	60		60				Differentiated attestation
Information and communication technology	GER/CC	4	5	150	15	15	15	35	70	Examination
Physical Culture	GER/CC	4	2	60		60				Differentiated attestation
World of Abai	BS/US	4	3	90	15	15		20	40	Examination
Philosophy	GER/CC	6	5	150	15	30		35	70	Examination
Module 2. Psychological-pedagogical and methodological training of personnel										
Age psychology and physiology	BS/US	1	5	150	15	30		35	70	Examination
Pedagogy	BS/US	2	5	150	15	30		35	70	Examination
Inclusive education	BS/US	3	3	90	15	15		20	40	Examination
Technologies of the updated content of education and criteria assessment	BS/US	3	5	150	15	30		35	70	Examination
Pedagogical practice	BS/US	4	1	30						Total mark on practice
Pedagogical practice (psychological and pedagogical)	BS/CC	4	2	60						Total mark on practice
Pedagogical practice	BS/US	6	5	150						Total mark on practice
Forms and methods of organizing STEM training	BS/US	7	5	150	30	15		35	70	Examination
Productive (pedagogical) Practice	AS/CCh	8	15	450						Total mark on practice

Module 3. Professional competations 1										
The archaeology and history of primitive society	BS/CCh	2	3	90	15	15		20	40	Examination
Ancient Huns	BS/CCh	2	3	90	15	15		20	40	Examination
History of Kazakhstan in the ancient	BS/CCh	2	3	90	15	15		20	40	Examination
Educational practice	BS/US	2	2	60						Total mark on practice
Auxiliary historical disciplines	BS/CCh	3	5	150	30	15		35	70	Examination
Monetary circulation of medieval Kazakhstan	BS/CCh	3	5	150	30	15		35	70	Examination
History of Kazakhstan the middle ages	BS/CCh	3	5	150	30	15		35	70	Examination
Ancient historiography	BS/CCh	4	5	150	30	15		35	70	Examination
Ancient and medieval history of Eastern countries	BS/CCh	4	5	150	30	15		35	70	Examination
Ancient and medieval history of Western countries	BS/CCh	4	5	150	30	15		35	70	Examination
History of China	BS/CCh	4	5	150	30	15		35	70	Examination
Monuments of art of the ancient world	BS/CCh	4	5	150	30	15		35	70	Examination
Medieval history of the Asia and the Africa	BS/CCh	4	5	150	30	15		35	70	Examination
Field training practice	BS/US	4	2	60						Total mark on practice
Module 4. Professional competations 2										
Surveying basics of cartography	BS/CCh	2	5	150	15	30		35	70	Examination
Cartography with the basics of topography	BS/CCh	2	5	150	15	30		35	70	Examination
The topography of the basics of orienteering	BS/CCh	2	5	150	15	30		35	70	Examination
Geoinformation modeling of natural-territorial complexes	BS/CCh	5	5	150	15	30		35	70	Examination
Fundamentals of geoinformatics	BS/CCh	5	5	150	15	30		35	70	Examination
Basics of remote sensing	BS/CCh	5	5	150	15	30		35	70	Examination
Electronic educational resources	BS/US	5	5	150	15	30		35	70	Examination
Application of ICT in the teaching of geography	BS/US	6	5	150	15	30		35	70	Examination
Scientific basis of research	BS/US	7	4	120	15	30		25	50	Examination
Module 5. Professional competations 3										
Introduction to the profession of geography and history teacher	BS/US	1	3	90	15	15		20	40	Examination
Methodology of geograph training	BS/CCh	4	5	150	15	30		35	70	Examination
Organization and forms of independent work of pupils in geography	BS/CCh	4	5	150	15	30		35	70	Examination
Modern technologies in teaching geography	BS/CCh	4	5	150	15	30		35	70	Examination
Methods of teaching history	BS/US	5	5	150	30	15		35	70	Examination
Extracurricular activities in teaching the history of the region	AS/CCh	6	5	150	30	15		35	70	Examination
Studying the history of the native land in high school	AS/CCh	6	5	150	30	15		35	70	Examination
Methods of teaching a variable course on the history of the native land	AS/CCh	6	5	150	30	15		35	70	Examination

Module 6. Professional competations 4

Historical geography of Kazakhstan	BS/CCh	5	5	150	30	15		35	70	Examination
History of Eastern Alashorda	BS/CCh	5	5	150	30	15		35	70	Examination
The history of the Turkic peoples	BS/CCh	5	5	150	30	15		35	70	Examination
Actual problems of the new and modern history of East Kazakhstan	AS/CCh	6	5	150	30	15		35	70	Examination
Spiritual culture of the Kazakh people	AS/CCh	6	5	150	30	15		35	70	Examination
Ethnology	AS/CCh	6	5	150	30	15		35	70	Examination

Module 7. Professional competations 5

Meteorology with the basics of climatology	BS/CCh	3	5	150	15	30		35	70	Examination
General geography	BS/US	3	5	150	30	15		35	70	Examination
Modern climate change's problems	BS/CCh	3	5	150	15	30		35	70	Examination
The doctrine of geosystems	BS/CCh	3	5	150	15	30		35	70	Examination
Geocology of Kazakhstan	AS/CCh	5	5	150	30	15		35	70	Examination
History of geographical research of the territory of Kazakhstan	AS/CCh	5	5	150	30	15		35	70	Examination
Physical geography of Kazakhstan	AS/CCh	5	5	150	30	15		35	70	Examination
Physical geography of continents and oceans	AS/US	6	5	150	30	15		35	70	Examination

Module 8. Professional competations 6

Location geography of the population of Kazakhstan	BS/CCh	6	5	150	30	15		35	70	Examination
Political geography the basics of geopolitics	BS/CCh	6	5	150	30	15		35	70	Examination
Economic and social geography of Kazakhstan	BS/CCh	6	5	150	30	15		35	70	Examination
Actual problems of native history	BS/CCh	7	5	150	30	15		35	70	Examination
History of the Kazakh diaspora	BS/CCh	7	5	150	30	15		35	70	Examination
New and recent history of the East	BS/CCh	7	3	95	15	15		25	40	Examination
New history of Kazakhstan	BS/CCh	7	5	150	30	15		35	70	Examination
The new history of the countries of Asia and Africa	BS/CCh	7	3	90	15	15		20	40	Examination
New history countries of the Europe and the America	BS/CCh	7	5	150	30	15		35	70	Examination
The newest history of the countries of Asia and Africa	BS/CCh	7	3	90	15	15		20	40	Examination
Contemporary History of the Europe and the America	BS/CCh	7	5	150	30	15		35	70	Examination
The geography of cities	AS/CCh	7	5	150	30	15		35	70	Examination
The geography of international relations	AS/CCh	7	5	150	30	15		35	70	Examination
Geography of natural resources	AS/CCh	7	5	150	30	15		35	70	Examination
Landscaping	AS/CCh	7	5	150	30	15		35	70	Examination
New and recent history of Western countries	AS/CCh	7	5	150	30	15		35	70	Examination
Basics of tourism	AS/CCh	7	5	150	30	15		35	70	Examination

Nature management and geoecology	AS/CCh	7	5	150	30	15		35	70	Examination
Country studies and the basics of political geography	AS/CCh	7	5	150	30	15		35	70	Examination
Physico-geographical regionalization	AS/CCh	7	5	150	30	15		35	70	Examination
Economic, social and political geography of the world	AS/CCh	7	5	150	15	30		30	75	Examination
Undergraduate practice	AS/CCh	8	15	150						Total mark on practice
Final examination										
Graduate work		8	8	240						
Final examination		8	8	240						