

**MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC OF KAZAKHSTAN  
ABAI KAZAKH NATIONAL PEDAGOGICAL UNIVERSITY**



**We train teachers who are able to anticipate the needs of modern education, based on advanced methods, national heritage and global approaches. We are increasing the prestige of the teaching profession and becoming a driver of human capital development.**

## **EDUCATIONAL PROGRAM**

**8D01515 Geography**

**Department of "Geography and ecology"**

**Almaty**

|   | Name of discipline                         | Short description of discipline  | Cycle | Component | Credits |
|---|--|--|-------|-----------|---------|
| 1 | Academic writing (in English)              | Purpose: doctoral students master theoretical and practical techniques for writing and editing academic texts. Content: skills in writing research results. Types of formatting of academic texts. Concepts and functions of academic texts. Competencies: develop doctoral students' readiness to implement their own research projects and present their results in writing in accordance with the standards of the international academic community.  | BD    | UC        | 5       |
| 2 | Methods of scientific research             | Development of scientific research skills. Methodology, stages, conceptual framework, and classification of scientific research. Specific and specialized research methods, errors in scientific research. Research project planning. Collection of scientific information. Ethics in scientific research. Structure of scientific research projects. Analytical methods and assessment tools for research: organization and management of research projects using information technologies and resources. Develops skills in preparing scientific articles and experiments, doctoral dissertations, as well as skills in presenting and reporting the results of scientific research on the dissertation topic. | BD    | UC        | 5       |
| 3 | Innovation in current geographic education | Purpose: to study the theoretical and methodological foundations of the innovation of modern education. Content: Innovation in the system of higher and postgraduate education. The development of modern digital technologies in education. Innovative ways of modernization of higher and postgraduate education in the Republic of Kazakhstan. Innovation in modern geographic education. Current trends in updating the content of school geographical education in the Republic of Kazakhstan. Formed competencies: able to generalize innovations in modern geographic education   | PD    | UC        | 5       |
| 4 | Competitiveness and human potential        | Purpose: study of competitiveness and human development. Contents: Theory of competitiveness. Global Competitiveness Index. The concept of human development. The role of competitiveness and human potential in education and science. Problems and prospects of competitiveness and human potential in education and science. Formed competencies: analyzes the problems and prospects of competitiveness and human potential in education and science.  | PD    | UC        | 5       |
| 5 | Modern paradigms of geographical sciences  | Purpose: study of a new paradigm of geographical sciences. Contents: Systemic paradigm of geographical sciences. Innovative-synergistic paradigm. The evolutionary paradigm in geography. The integration paradigm of geographical science. Regional and sectoral paradigms in geographical science. The geospatial approach in geography. The development of humanism in the geographical sciences. The main directions of the transformation of geographical science. Formable competencies: creatively uses the achievements of geographical science.   | PD    | UC        | 5       |

