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| Educational program | 7M01509 Geoinformation technologies |
| EP purpose | Training of masters of pedagogical sciences capable of performing organizational and managerial, analytical, research and pedagogical activities in the field of education using geographic information systems |
| EP type | Innovative |
| Level on NQF | 7 |
| Level on SQF | 7 |
| The awarded academic degree | Master |
| Period of study | 2 |
| Volume of the credits | 120 |
| Language of education | Kazakh, Russian, English |
| Date of approval of the OP at the Board meeting | 10.04.2024 |
| Professional standard | Teacher 15.12.2022, Professional standard: Teacher (faculty) of higher and (or) postgraduate education organizations 20.11.2023 |

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| № | Learning outcomes: |
| 1 | to manage geographic databases, creating geographic information systems in subject areas related to spatial information |
| 2 | to assess the problems of geographic information systems and mapping, geospatial analysis and the possibility of their use for creating electronic and computer maps and atlases |
| 3 | to use modern methods and technologies of scientific communication in a foreign language |
| 4 | to apply modern geoinformation and WEB - technologies in solving problems of geographical science |
| 5 | to organize the educational process, taking into account the problems in the field of geoinformation education using GIS technology |
| 6 | to independently carry out research activities in the field of geoinformation education using modern research methods |
| 7 | to carry out pedagogical activities taking into account the complex of psychological, pedagogical and methodological knowledge, rational organization of pedagogical work and research work, using modern means, information and telecommunication technologies, analyzing the core problems of reforming higher education, taking into account modern requirements |
| 8 | to conduct research activities using various space-time models, evaluating the results obtained in the research and educational sphere |
| 9 | to design and carry out comprehensive research, including interdisciplinary, based on a holistic systemic scientific worldview using knowledge in the field of history and methodology of geographical science |
| 10 | apply knowledge of the functional structures of management activities and psychological methods of management in organizing the training and socialization of young students |