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| Educational program | 7M01510 Digital Pedagogy (IP) |
| EP purpose | Training of masters with in-depth knowledge in the field of informatics and digitalization of education and ready for the use of digital technologies in the educational environment and for the further development of education in the digital era |
| 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 |

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| № | Learning outcomes: |
| 1 | understand various digital tools, software platforms and technologies that can improve the efficiency of the educational process, apply the skills of theoretical and methodological analysis, synthesize knowledge in the specialty and interdisciplinary knowledge to solve research and practical problems |
| 2 | own the methods of scientific research in the field under study, conduct scientific research on the methodology of teaching informatics and informatization of education, obtain new scientific and applied results independently and as part of a scientific team, apply the skills of conducting scientific research in the field of digital pedagogy, which will allow them to contribute to the development of education |
| 3 | analyze information from various sources, correctly formulate relevant conclusions in the state, Russian and foreign languages and apply academic writing skills |
| 4 | use advanced technologies in educational activities and apply in-depth knowledge in the field of informatics and digitalization of education in their professional activities, develop and implement innovative teaching methods using digital technologies, interactive applications, virtual and augmented reality |
| 5 | adapt and apply the methodology of teaching computer science in the education system, use the basics of psychology and pedagogy, carry out teaching and educational activities, demonstrate skills in developing new and using existing methods and innovative forms of educational work |
| 6 | develop and use tools for individualization and personalization of learning, create and implement educational projects using digital services and tools, integrate digital tools into curricula, create digital educational resources and learning materials |
| 7 | modify organizational and managerial skills, work independently in a team and use the organizational and legal foundations of professional activity |
| 8 | structure and integrate knowledge from various areas of professional activity and creatively use and develop it in the course of solving professional problems, develop their own educational materials, online courses and resources |
| 9 | to work with digital data, to evaluate the effectiveness of training, to make decisions on the organization of the educational process based on educational analytics, to create modern digital content, to carry out pedagogical design and pedagogical design in a digital educational environment |