

**Passport
of the advanced training program**
"Intelligent technologies in digital education"

Name of the Department	department of Educational Systems Design
Формы получения образования	full-time
Language of education	
Number of hours	72 hours
Full name of lecturers, academic degree and title	N. V. Drozdova, Head of the Department of Educational Systems Design, Candidate of Psychological Sciences, Associate Professor; A. P. Lobanov, Doctor of Psychological Sciences, Professor; D. A. Oskin, Senior lecturer of the Department
Learning objectives and outcomes	Increasing the level of competence of students in the field of scientific, methodological and practice-oriented support of innovative learning models; formation of students ' competencies in cognitive practices of teaching and educating students.
Summary of the training program for advanced training	<p>Module 1. Intelligence: definition, paradigms, theories</p> <p>1.1 Definitions and paradigms of intelligence</p> <p>1.2 Theories of intelligence. CHC-taxonomy</p> <p>Module 2. Educational approach to intelligence</p> <p>2.1 Typology of approaches to the study of intelligence</p> <p>2.2 Intelligence in the paradigm of individual mental experience</p> <p>2.3 Mental representations and verbal intelligence: diagnosis and interpretation</p> <p>Module 3. IQ technologies and cognitive practices</p> <p>3.1 Cognitive practices in the context of perceptual learning</p> <p>3.2 IQ-technologies in the educational process</p> <p>3.3 Thinking styles and cognitive styles in education</p> <p>Module 4. Digitalization of education. Artificial intelligence technologies in education. Tools for intellectual analysis of educational data</p> <p>4.1 Digitalization of education</p> <p>4.2 Features of the use of Data Mining technologies in education. Advantages and disadvantages of the methods used</p> <p>4.3 Tools for conducting intellectual analysis of educational data. Weka is a Data Mining system. AtteStat is a package for statistical analysis Tableau-a data visualization system.</p>
Exclusive scientific and meth-	1. General and cognitive psychology: an educational and

<p>odological support</p>	<p>methodological manual with the MORB stamp / A. P. Lobanov, N. V. Drozdova. - Minsk: National Institute for Higher Education, 2020, 212s.: ill.- (Series "Cognitive practices").</p> <p>2. Makarov A.V. Competence approach in higher education: international and domestic experience: textbook. manual with the stamp MORB/ A.V. Makarov. - Minsk: National Institute for Higher Education, 2019 – - 252 p.</p> <p>3. Drozdova, N. V. Educational innovations in 4D format: textbook.-method. manual / N. V., Drozdova, A. P., Lobanov. - Minsk: National Institute for Higher Education, 2016. - 110 p. p. 5-99.</p> <p>4. Lobanov, A. P. Cognitive psychology of education: textbook.-method. manual / A. P. Lobanov, N. V. Drozdova. - Minsk: National Institute for Higher Education, 2016. - 110 p. p. 5-99.</p> <p>Information and educational resource of the department EUMM, electronic educational resources National Institute for Higher Education</p>
<p>Teaching methods</p>	<p>Project - based, problem-based, dialog-heuristic, and creative learning</p>
<p>Form of final certification</p>	<p>Credit</p>
<p>Certificate</p>	<p>Certificate of advanced training of the established state sample</p>