

**Passport
of the training program of advanced training**

"Information and educational environment of controlled independent work of students"

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| Name of the Department | department of Educational Systems Design |
| Form of education | Correspondence, remote |
| 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; D. A. Oskin-Senior Lecturer |
| Learning objectives and outcomes | Providing scientific, methodological and practical support to students in the process of designing and implementing models of controlled independent work of students (USRS) based on information and communication technologies (ITK) in the higher education system of the Republic of Belarus, modeling and implementing the information and educational environment of USRS. |
| Summary of the training program for advanced training | <p>Module 1. European trends and standards of higher education of the new generation. Learning technologies: traditions and innovations.</p> <p>1.1 European trends in the development of higher education. The Bologna Process</p> <p>1.2 Competence-qualification model of graduate training</p> <p>1.3 Implementation of the competence approach in the standards of higher education of the new generation</p> <p>1.4 Educational standards and training programs of the new generation</p> <p>Module 2. Independent work of students in the educational programs of the new generation</p> <p>2.1 Scientific, methodological and normative support of independent work of students</p> <p>2.2 Lecture support for independent work of students in the Higher Educational institution</p> <p>2.3 Application of Case-study in educational programs of higher education</p> <p>Module 3. Cloud technologies of USRS support</p> <p>3.1 General information about cloud computing</p> <p>3.2 Characteristics of the main types of cloud services</p> <p>3.3 Recommendations for choosing and using cloud services</p> <p>3.4 An example of an information and educational environment of a higher education institution based on cloud technologies</p> |

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| | <p>3.5 Basics of working with the G Suite for Education cloud platform</p> <p>Module 4. Fundamentals of the development of electronic educational resources</p> <p>4.1 Types of electronic educational resources</p> <p>4.2 Tools for creating electronic learning tools</p> <p>4.3 Organization of computer testing using the IrenMaster application</p> <p>4.4 Development of computer tests in the IrenEditor environment</p> |
| Exclusive scientific and methodological support | <p>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. (pp. 5-192.)</p> <p>Lobanov, A. P. Educational innovations in the 4-d format / A. P. Lobanov, N. V. Drozdova. - Minsk: National Institute for Higher Education, 2016. - 110 p – - (series "Cognitive practices"). (p. 4-103.)</p> <p>Lobanov, A. P., Drozdova, N. V. Lecture in a modern university: a communicative and cognitive approach, 2009. (p. 3-34.)</p> <p>Oskin A. F. Information and educational environment for supporting independent work of students. Educational and methodological manual, Minsk, National Institute for Higher Education, 2013 (p. 5-42.)</p> <p>Oskin A. F., Oskin D. A. Information and educational environment based on cloud computing.. Higher school. 2013, No. 5, (pp. 33-35)</p> <p>Oskin A. F., Oskin D. A. Experience in using cloud technologies to build an information and educational environment of a university. Higher school. 2016, No. 3. (pp. 28-32.)</p> <p>Information and educational resource of the department EUMM, electronic educational resources of National Institute for Higher Education</p> |
| Teaching methods | Project - based, problem-based, dialog-heuristic, and creative learning |
| Form of final certification | Abstract |
| Certificate of education | Certificate of advanced training of the established state sample |