



CATALOG OF ELECTIVE DISCIPLINES

For students in the direction of preparation 8D014 Teacher training with subject specialisation for general development

Brief description of the elective disciplines of the educational program

EPG	EP	Form of education	The name of discipline	Code of subject	Discipline cycle	Component	Number of credits	Level of training	Cafedra	Course	Academic period	Pre-requisitions	Post-requisitions	Brief content of the discipline	Key learning outcomes	Name of the alternative discipline
D008 - «Training of teachers of vocational education»	8D01401 - «Management in technical and vocational education»	Full-time (PhD 3 years) trimester	Methodology of contemporary pedagogical management and in Strategic Management	MSPMSU 7300	AS	Elective subjects	5.0	Doctoral studies by specialization (scientific & pedagogical direction)	Профессиональное образование	1	1	Higher mathematics, methods of mathematical modeling, leadership in education, scientific organization of pedagogical work.	Academic writing, Methods of scientific researches, PhD student's research work, incl. doctoral thesis, Research practice, Teaching practice	The quality of the educational process a set of indicators and as an integrated object. The educational process - as an element of the educational system and as a "local" process in the activities of the educational institution. The quality of training students; The quality of educational programs; The quality of the infrastructure of the school; The quality of university management as a whole and its parts; The quality of teaching staff. Educational policy of the university. Certification and accreditation of educational institutions. Licensing requirements for the implementation of the university. Pedagogical management, its purpose and essence. Legal aspects of management. Professionalism of the teacher as a problem of pedagogical management. The causes and nature of formalism in pedagogical systems and in their management. Theoretical and methodological aspects of a systematic approach. Real time and the principles of HOT in the pedagogical system. The interaction of the subjects of the pedagogical system. Corporate governance model, teacher motivation. Organizational competence of the modern head of the VET organization. Methods of monitoring activities in technical and vocational education organizations	Able to demonstrate a systematic understanding of the field of study, mastery in terms of skills and research methods used in this field; Competent to promote the development of a knowledge-based society. Organizes theoretical and practical training, in accordance with the industry training of students of the university; Knows the mechanisms for introducing scientific developments into practical work and about the pedagogical and scientific ethics of a research scientist; about the norms of interaction in the scientific community;	

D008 - «Training of teachers of vocational education»	8D01401 - «Management in technical and vocational education»	Full-time (PhD 3 years) trimestr	Scientific and pedagogical bases of quality assurance of educational process	NPOOKO P 7300	AS	Elective subjects	5.0	Doctoral studies by specialization (scientific & pedagogical direction)	Профессиональное образование	1	1	Theory and methodology of educator work, Acmeology and pedagogical excellence, Pedagogics of higher school, Pedagogical management in the system of professional education	PhD student's research work, incl. doctoral thesis, Research practice, Teaching practice	Pedagogical measurements in science. Quantitative information in the scientific and pedagogical research. Basic concepts of mathematical statistics. Mathematical and statistical methods for processing the results of a pedagogical experiment. Methods of primary statistical processing of the results of the test: The concept is the primary methods of statistical processing of the results of the test; Sample; General population; Normal sample distribution of experimental results; Median; Fashion; Average sample value; Dispersion. Methods of secondary statistical processing of experimental results: Concept - methods of secondary statistical processing of experimental results; Fisher criterion; Student criterion; Chi-square test; Correlation coefficient; The method of signs; Test reliability criteria. Design and presentation of reporting materials on the pedagogical experiment: Description of experimental work; Visual presentation of experimental results The use of computer technology in the construction of graphs, diagrams and tables reflecting the statistical results of the pedagogical experiment;	Knowledge and understanding of the scientific foundations of pedagogical management; on the nature and structure of the management process in the educational process, on the legal aspects of management. Possession of methods for solving problems in the field of management, innovation, production and strategic management, personnel management, project management. Ability to create network communities between social partners; apply different types of monitoring; use innovative methods of management and motivation in activities; to design the educational process in the context of the modernization of the technical and vocational education system. To acquire practical skills in the field of learning: solving problems in the application of modern management technology; organization of project activities; improving management practices based on modern research and analysis of their own activities; monitoring the development processes, diagnosing and evaluating the quality of the educational process in VET organizations. Provides theoretical and practical training,
D008 - «Training of teachers of vocational education»	8D01401 - «Management in technical and vocational education»	Full-time (PhD 3 years) trimestr	Mathematical method of processing the results of pedagogical research	MMORPI 7300	AS	Elective subjects	5.0	Doctoral studies by specialization (scientific & pedagogical direction)	Профессиональное образование	1	1	History and philosophy of science, Pedagogics of higher school, Scientific basis for the organization of educational process in higher school	Methods of scientific researches, PhD student's research work, incl. doctoral thesis, Research practice, Teaching practice	Pedagogical measurements in science. Quantitative information in the scientific and pedagogical research. Basic concepts of mathematical statistics. Mathematical and statistical methods for processing the results of a pedagogical experiment. Methods of primary statistical processing of the results of the test. Methods of secondary statistical processing of experimental results. Design and presentation of reporting materials on the pedagogical experiment: Description of experimental work; Visual presentation of experimental results The use of computer technology in the construction of graphs, diagrams and tables reflecting the statistical results of the pedagogical experiment;	. Competent to promote the development of a knowledge-based society.. Organizes theoretical and practical training, in accordance with the industry training of students of the university;. Knows the mechanisms for introducing scientific developments into practical work and about the pedagogical and scientific ethics of a research scientist; about the norms of interaction in the scientific community;. Able to plan, develop, implement and adjust the integrated process of research; critically analyze, evaluate and synthesize new and complex ideas; communicate their knowledge and achievements to colleagues, the scientific community and the general public;

The catalog of elective disciplines was reviewed and approved by the faculty council, protocol N 16 27.06 2022

Head of department

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