

PEDAGOGY AND PSYCHOLOGY OF HIGHER EDUCATION

(name of discipline)

ABSTRACT

TO THE CURRICULUM OF THE EDUCATIONAL INSTITUTION

Specialties 7-06-0714-02 Innovative technologies in mechanical engineering

Profiling Innovative technological systems

7-06-0715-01 Transport

Profiling Technical operation of vehicles

7-06-0612-03 Information management systems

7-06-0716-03 Instrument engineering

Profiling Information systems and technologies of non-destructive testing and diagnostics

	Form of obtaining higher education			
	Full-time (daytime) 7-06-0715-01 7-06-0612-03 7-06-0716-03	Correspondence	Full-time (daytime) 7-06-0714-02	Correspondence
Course	1	1	1	1
Semester	2	2	2	2
Lectures, hours	34	6	34	6
Practical (seminar) classes, hours	16	4	-	-
Credit, semester	2	2	2	2
Classroom hours for academic discipline	50	10	34	6
Independent work, hours	58	98	68	96
Total hours for academic discipline / credit units	108/3	108/3	102/3	102/3

1. Brief summary of the academic discipline

"Pedagogy and Psychology of Higher Education" is a discipline that forms the psychological and pedagogical basis in the training of future scientific workers.

2. Learning outcomes

to know:

- conceptual apparatus, methods of pedagogy and psychology of higher education; new educational trends and directions, patterns, principles of development and functioning of higher education; advanced pedagogical experience (including international) and innovations in the field of higher education;
- ways to take into account the individual, age-specific characteristics of students, allowing them to personalize their educational trajectories; new requirements for graduate competencies related to the digital revolution; conditions for students' motivation and adaptation to learning and social work; professionally determined requirements for a higher school teacher as an educator, teacher, methodologist and researcher;
- methodological approaches to the design of the goals, results and content of higher education, educational planning documentation defining the content of education; approaches and principles

for the development and application of modern educational and methodological support for the educational process, including in digital format; - basic teaching methods, effective educational technologies, including information and communication technologies, forms and means of organizing the learning process, including mixed and distance learning;

- psychological and pedagogical methods and techniques for activating independent and research work, project activities of students; - the main methods, forms and means of organizing the educational process in an institution of higher education (or a study group); psychological and pedagogical features and ways of effective interaction and cooperation between teachers and students, pedagogical guidance of student groups and self-government bodies;

- fundamentals of pedagogical management and monitoring; be able to:

- to design the learning content, establish interdisciplinary connections; apply, develop competence-based, interdisciplinary, heuristic (creative) tasks and assignments;

- to design and organize various forms of face-to-face, mixed and distance learning based on the use of effective pedagogical and information and communication technologies, active and collective forms and methods of teaching;

- to organize and implement, taking into account the individual characteristics and educational needs of students, educational activities and educational work in general, extracurricular independent work, project and research activities of students;

- to develop modern educational and methodological support for the educational process (including in digital format), tools for its diagnosis and control;

- establish pedagogically appropriate relationships with all participants in the educational process; have the skill:

- modern forms, methods and technologies of teaching, upbringing and development of the student's personality;

- the skills of organizing the educational process and diagnosing its results, managing it, taking into account the individual and personal characteristics of students;

- methods and techniques of reflection and adequate self-assessment of one's own pedagogical activity, development and implementation of projects (programs) of professional self-education and personal self-improvement.

3. Emerging competencies: to apply psychological and pedagogical methods and information and communication technologies in education and management.

4. Requirements and forms of current and interim certification. The current one is a test (written form). Intermediate – test (oral form)