

THEORY OF INVENTIVE PROBLEM SOLVING: SCIENTIFIC CREATIVITY (course title)

INTERNSHIP COURSE SYLLABUS

ABSTRACT

7-06-0714-02 Innovative technologies in mechanical engineering
(speciality code and name)

Profiling Computer engineering of transport and technological machines
(concentration)

Advanced higher education

	STUDY MODE	
	full-time	part-time
Year	2	2
Semester	3	4
Lectures, hours	16	4
Laboratory classes, hours	34	8
Exam, semester	3	4
Contact hours	50	12
Independent study, hours	150	188
Total course duration in hours / credit units	200/6	

1. Internship course outline (aims and objectives)

The purpose of the discipline is to form students' competencies in the field of methodology of pedagogical education and reveals the features of the design of the educational process aimed at describing trends that change the content of education to the skills necessary to meet new challenges and opportunities in the world.

2. Course learning outcomes

Upon completion of the course, students will be expected to know:

- fundamentals of teaching methods, basic principles of creative learning, types and techniques of modern creative pedagogical technologies;

be able to:

- to master and apply modern psychological and pedagogical technologies based on knowledge of the laws of creative personality development;

to possess skills:

- search, critical analysis and synthesis of information, application of a systematic approach to solving tasks;

3. Competencies

- Have the skills to conduct scientific research on transport and technological machines

4. Requirements and forms of current and intermediate certification.

The form of the current and intermediate certification is a survey, an exam.