

Academic discipline:
" Methodology and technique of training physical experiment "

Code and name of specialty	1-02 05 02 Physics and Informatics
Training course	2
Semester of training	3
Number of class hours:	42
Lectures	4
Seminar classes	-
Practical classes	-
Laboratory classes	38
Form of current assessment (credit/differential credit/exam)	credit
Number of credits	3
Competencies to be formed	To design the learning process, set educational goals, select the content of educational material, methods and technologies based on a system of knowledge in the theory and methodology of pedagogical activity.

Summary of the content of the academic discipline:

1. Training experiment in mechanics. The system of a training experiment for the study of physical phenomena and processes, concepts, laws and regularities of mechanics by students.
2. Training experiment in molecular physics. The system of a training experiment for the study of physical phenomena and processes, concepts, laws and regularities of molecular physics by students.
3. Training experiment in electrodynamics. The system of a training experiment for the study of physical phenomena and processes, concepts, laws and regularities of electrodynamics by students.
4. Training experiment on the study of oscillations and waves. The system of a training experiment for the study of physical phenomena and processes, concepts, laws and patterns of oscillatory movements and optics by students.
5. Training experiment in quantum physics. The system of a training experiment for the study of physical phenomena and processes, concepts, laws and regularities of quantum physics by students.