

Academic discipline:
" Fundamentals of Mathematics Teaching Methodology "

Code and name of specialty	1-02 05 01 Mathematics and Informatic
Training course	2
Semester of training	3
Number of class hours:	64
Lectures	32
Seminar classes	-
Practical classes	32
Laboratory classes	-
Form of current assessment (credit/differential credit/exam)	credit
Number of credits	3
Competencies to be formed	To have the skills of creative analytical thinking. To apply scientifically based methods for the formation of mathematical concepts, teaching the proof of mathematical statements and solving mathematical problems
<p>Summary of the content of the academic discipline:</p> <p>The subject and the main categories of the methodology of teaching mathematics. Ideological aspects of teaching mathematics. The content of mathematical education in secondary school. Didactic principles of teaching and their implementation in teaching mathematics. Learning technologies. Methods of teaching. Methods of scientific cognition in teaching mathematics. Mathematical concepts and methods of their study in secondary school. Methods of studying theorems and proofs. Methods of teaching students to solve problems. Forms of organization of training. Extracurricular work in mathematics. Control of educational and cognitive activity of students.</p>	