Academic discipline:
" Methods of teaching algebra and geometry at the second stage of general secondary education "

Code and name of specialty	1-02 05 01 Mathematics and Informatisc
Training course	2
Semester of training	4
Number of class hours:	56
Lectures	20
Seminar classes	-
Practical classes	36
Laboratory classes	-
Form of current assessment (credit/differential credit/exam)	exam
Number of credits	3
Competencies to be formed	Apply methods of forming mathematical concepts, proving mathematical statements and solving mathematical problems in work with students

Summary of the content of the academic discipline:

Algebraic component Characteristics of the content of the course of algebra of the second stage of general secondary education. Methodology for studying numbers. Methods for studying identical transformations in grades VII-IX. Methods of studying equations and inequalities in grades VII-IX. Methods of studying functions in the VII-IX grades. Geometric Component Characteristics of the content of the geometry course in grades VII-IX. Methods of studying the initial geometric concepts. Methodology for the study of triangles in grade VII. Technique for studying parallel lines. Methods for studying the basic constructions with a compass and a ruler. Technique for studying quadrilaterals. A technique for studying the areas of figures. Methods for studying the similarity of figures. A technique for studying inscribed and circumscribed polygons. A technique for studying the relationship between the sides and angles of a triangle. A technique for studying regular polygons, the circumference and area of a circle.