The name of the academic discipline:
«Introduction to Analysis»

Code and name of specialty	1-02 05 01 Mathematics and Informatics
Training course	1
Semester of training	1
Number of class hours:	50
Lectures	24
Seminar classes	-
Practical classes	26
Laboratory classes	-
Form of current assessment (credit/differential credit/exam)	exam
Number of credits	3
Competencies to be formed	Mastering the academic discipline "Algebraic Structures and Number Theory" should ensure the formation of basic professional competencies: use methods for solving problems of differential calculus for the implementation of educational and research activities.

Summary of the academic discipline:

"Introduction to Analysis" is an academic discipline that includes the following sections (disciplines): sets, functions, limit of a numerical sequence in R, limit of a function of one variable, continuous functions and their properties, limit and continuity of functions, several variables, power function, exponential and logarithmic functions, logarithmic function and its properties, trigonometric and inverse trigonometric functions, inverse trigonometric functions (definition, basic properties).