

**The name of the academic discipline:
«Mathematical analysis»**

Code and name of specialty	1-02 05 02 Physics and Informatics
Training course	1
Semester of training	1/2
Number of class hours:	94
Lectures	30
Seminar classes	-
Practical classes	64
Laboratory classes	-
Form of current assessment (credit/differential credit/exam)	exam/ exam
Number of credits	6
Competencies to be formed	Mastering the academic discipline "Mathematical Analysis" should ensure the formation of basic professional competencies: apply methods of matrix calculus in work with students, solve systems of algebraic equations, study equations of curves and surfaces to solve research and practice-oriented problems.
<p align="center">Summary of the academic discipline:</p> <p>"Mathematical analysis" is an academic discipline that includes the following sections (disciplines): sets, functions, sequences, sequence limit, function limit, function continuity, differential and integral calculus of a function of one variable, differential and integral calculus of a function of several variables. Forms systematic knowledge about modern methods of mathematical analysis and theory of functions; -forms the theoretical base and tools necessary for the successful use of mathematical methods in the study of physics and computer science.</p>	