Academic discipline:
"Mathematical analysis"

Code and name of specialty	6-05-0113-04 Physics and mathematics education (mathematics and computer science)
Training course	1 / 2
Semester of training	1 / 2 / 3
Number of class hours:	150
Lectures	56
Seminar classes	-
Practical classes	94
Laboratory classes	-
Form of current assessment (credit/differential credit/exam)	Credit/credit/exam
Number of credits	9
Competencies to be formed	To master the classical sections of mathematical disciplines for the implementation of educational and research activities

Summary of the content of the academic discipline:

Sets. Functions. The limit of the numerical sequence in ***R***. The function limit of a single variable. Continuous functions and their properties. The derivative and differential function. The main theorems of differential calculus. Applications of differential calculus. The indefinite integral. A definite integral. Improper integrals