

**Academic discipline:
"Higher Algebra"**

Code and name of specialty	6-05-0113-04 Physics and mathematics education (mathematics and computer science)
Training course	1
Semester of training	1 / 2
Number of class hours:	100
Lectures	36
Seminar classes	-
Practical classes	64
Laboratory classes	-
Form of current assessment (credit/differential credit/exam)	Exam/credit
Number of credits	3/3
Competencies to be formed	As a result of mastering the discipline, the student must have the following basic professional competencies: master the classical sections of mathematical disciplines for the implementation of educational and research activities
Summary of the content of the academic discipline:	
Higher algebra is an academic discipline that includes the following sections (disciplines): elements of set theory, binary relations, systems of linear equations and arithmetic vectors, matrices and determinants, complex numbers. The course content allows to reveal the importance of solving algebra problems in the acquisition of new mathematical knowledge by students, prepare for practical usage of this knowledge, reflect the possibilities of such tasks in the development of students logical thinking, present their educational potential, realize their cognitive functions.	