

**Academic discipline:
"Fundamentals of higher mathematics"**

Code and name of specialty	1-23 01 04 Psychology
Training course	1
Semester of training	1
Number of class hours:	70
Lectures	30
Seminar classes	-
Practical classes	22
Laboratory classes	18
Form of current assessment (credit/differential credit/exam)	exam
Number of credits	3
Competencies to be formed	Mastering the academic discipline "Fundamentals of higher mathematics" should provide the formation of universal competence among students - to solve standard tasks of professional activity based on the use of information and communication technologies; basic professional competence - to conduct a statistical analysis of empirical data using information technology.
Brief content of the academic discipline:	
The content of the discipline includes the following thematic sections: elements of set theory in the analysis of psychological phenomena; elements of linear algebra in the representation and processing of psychological data; fundamentals of mathematical analysis and its use in studying the functioning of various psychological phenomena and processes; elements of probability theory in psychology.	