## The name of the academic discipline: «Financial Mathematics»

Specialty code and name	1-26 03 01 Information resource management
Year of study	1
Semester of study	1
Number of in-class	52
academic hours:	
Lectures	26
Seminar classes	-
Practical classes	26
Laboratory classes	-
Form of the current	exam
assessment ( <i>credit</i> /	
graded credit /exam)	
Number of credit points	3
Competences	Mastering the academic discipline "Financial
_	Mathematics" should ensure the formation of basic
	professional competencies: to use financial and
	mathematical methods to solve problems of
	professional activity; to use basic mathematical
	concepts and computational methods for the
	analysis and modeling of economic processes.

## Summary of the academic discipline:

In the process of teaching the discipline "Financial Mathematics":

-the basic concepts that are used in financial calculations are considered – simple and compound interest, the interest rate system, interest accrual, discounting payments, constant payment flows, variable and continuous rents, financial instruments;

-problems related to the quantitative analysis of various payment flows, in particular financial rents, are being studied;

-students are mastering quantitative financial analysis, which will allow them to solve a wide range of tasks – from elementary interest accrual to the analysis of complex investment, credit and commercial problems in their various formulations, depending on specific conditions.