"ECONOMIC AND MATHEMATICAL METHODS IN SYSTEM ANALYSIS"

(name of the course)

OUTLINE
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

specialty 7-06-0612-03 system information management

	Form of higher education	
	Full-time	**Correspondence**
Course	1	1
Semester	2	2
Lectures, hours	16	4
Laboratory work, hours	16	4
Test, Semester	2	2
Classroom hours in the educational discipline	32	8
Independent work, hours	76	100
Total hours of the discipline / credit units	108/3	

1 Summary of the contents of the study discipline

Formation of the student's knowledge, abilities, skills necessary for the design, implementation, implementation, maintenance of data storages and OLAP-systems for automated information processing systems

2 Learning objectives

As a result of the study of the discipline, the student should
know:
- the main types of economic and mathematical models;
- technology and methods of constructing economic and mathematical models;
- principles of construction, structure and technology of the use of software tools for economic and mathematical modeling;
be able to:
- carry out the construction of economic and mathematical models;
- use economic and mathematical models to analyze the object;
- conduct research and analysis of objects on the basis of economic and mathematical models in order to formulate proposals for their improvement;
- determine the optimal parameters and management of economic objects;
have the skill:
- methods of modeling economic objects;
- approaches to solving the problems of analysis and parametric optimization of economic objects;
- instrumental means of economical-mathematical.

3. Formable competencies

SK-12 Improve the efficiency of business processes by improving information systems and information management, UK-1 Apply methods of scientific cognition in research activities, generate and implement innovative ideas.

4 Requirements and forms of current and interim certification.

Current - ZIZ, intermediate - credit.