

"DATA WAREHOUSES AND OLAP-SYSTEMS"

(name of the discipline)

ANNOTATION

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	3
Lectures, hours	16	4
Laboratory hours	34	8
Credit, semester	2	3
Classroom hours in the educational discipline	50	12
Independent work, hours	58	96
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:

- data models used to build repositories;
- peculiarities of building systems based on data storages;
- the basic principles of building OLAP systems;

be able to:

- design the structure of data warehouses;
- determine the possibilities of applying data mining technologies;

have the skill:

- design solutions based on data warehouse technologies; determine the possibilities of applying data mining technologies; possess:
- skills in designing solutions based on data warehouse technologies and OLAP-systems according to the tasks set;
- basics of multivariate data analysis.

3. Competencies to be formed

Use technologies of data warehouse development, methods of building OLAP cubes in creating information-analytical systems.

4 Requirements and forms of current and interim certification.

Defence of laboratory works - current attestation, the credit - intermediate attestation, oral and writ-ten.