

DATABASE MANAGEMENT SYSTEMS
ANNOTATION
TO THE CURRICULUM OF THE DISCIPLINE
Information systems and technologies specialty 6-05-0611-01

	Form of higher education
	Full-time (dayl-time)
Course	2,3
Semester	4,5
Lectures	68
Practical classes	16
Laboratory work	32
Course work	5
Credit	4,5
Auditorium hours for the academic discipline	116
Independent work	172
Total hours in the discipline / credit units	288/8

1 Summary of the academic discipline

The aim of the study discipline "Database Management Systems" is the formation of professional competences for working with modern DBMS and technologies for the creation and operation of databases and databanks as part of automated information processing systems implemented in various fields of science, technology and economics.

2 Learning outcomes

As a result of mastering the academic discipline the learner should

know:

- ☐ ways of working with relational databases in single-user and multi-user DBMSs;
- ☐ principles of database modelling and design and project transfer to DBMSs
- ☐ methods of implementing distributed and parallel data processing;
- ☐ possibilities of modern DBMS for building decision support systems.

be able to:

- ☐ practically create and administer databases;
- ☐ create an interface with databases;
- ☐ install and configure server and client applications

to possess a skill:

- ☐ database-based systems programming techniques;
- ☐ database design skills in SQL Server DBMS.

3. Formative competences

Mastering of this academic discipline should ensure the formation of the following competences: To master the basics of research activity, to search, analyse and synthesize information, To be capable of self-development and improvement in professional activity, To show initiative and adapt to changes in professional activity, To develop a knowledge base and systems to support decision-making support of professional activity tasks.

4. Requirements and forms of current and intermediate attestation.

Defence of laboratory works - current attestation, credit - intermediate attestation, oral and written.