

# **Data Mining Technologies**

(name of the academic discipline)

## **ANNOTATION TO THE SYLLABUS OF THE INSTITUTION OF HIGHER EDUCATION**

**Specialty:** 1-27 02 01 « Economics»

**Profiling:** Economic development of industrial and transport organizations

	Form of higher education	
	Full-time	Extramural
Year	1	1
Semester	1	2
Lectures, hours	18	6
Laboratory classes, hours	36	8
Credit, semester	1	2
Report, semester	-	2
Classroom hours per academic discipline	54	14
Independent work, hours	54	94
Total hours per academic discipline / credit units	108/3	108/3

### ***1. Brief content of the discipline***

The purpose of the discipline is to form students' theoretical knowledge and methodological foundations in the field of data mining, as well as the practical skills necessary for the implementation and practical use of intelligent algorithms for data analysis and processing.

### ***2. Learning outcomes***

#### **know:**

market characteristics of data mining systems, basic data analysis algorithms (classification, clustering, regression);

#### **be able to:**

apply standard methods and developed technologies to solve probabilistic and statistical problems, process statistical information and obtain statistically valid conclusions

#### **master:**

skills of working with the main software technologies and methods of intellectual data processing, the use of modern software packages for data mining on a computer.

### ***3. Formed competencies***

UPC-5: Be able to analyze data to solve economic, managerial, research problems

### ***4. Requirements and forms of current and intermediate control***

Survey, control work, test.