

STATISTICAL METHODS OF DATA PROCESSING

(course title)

ANNOTATION TO THE CURRICULUM OF THE DISCIPLINE

Specialty 6-05-0612-03 "Information Management Systems"

Specialization: Automated information processing systems

	The form of higher education		
	Full-time (full-time)	Correspondence*	Correspondence shortened*
Course	3	4	3
Semester	6	7	5
Lectures, hours	34	8	8
Lab exercises, hours	34	8	8
Credit, semester	6	7	5
Classroom hours in the academic discipline	68	16	16
Individual work, hours	76	128	128
Total hours in the discipline / credits	144/4,0		

1. Summary of the content of the discipline

The study of the basic concepts and methods of mathematical statistics, methods of univariate and multivariate statistical analysis for the study of experimental data, mastering modern methodology of statistical analysis and mastering the skills and abilities of their creative use with respect to the tasks of their professional activity in the field of automated information processing systems.

2. Learning outcomes

As a result of studying the discipline the student should:

know: Basic concepts and basic methods of statistical analysis; principles of calculating sampling parameters, principles of transferring sampling estimates to general population patterns; approaches to testing statistical hypotheses by methods of parametric and nonparametric statistics;

be able to: use methods of mathematical statistics to process empirical research data in their professional activities; evaluate the general population and its parameters using sample data by different methods; analyze the results obtained; use personal computer software to solve statistical analysis problems in the professional area;

to possess a skill: statistical methods of data processing in planning, conducting and processing the results of experiments; use modern personal computer software to solve statistical analysis problems in their professional activities.

3. Competencies to be formed

Mastering this discipline should ensure the formation of the following competencies: Select methods for solving problems related to the presentation, storage, display, transmission and analytical processing of information.

4. Requirements and forms of current and intermediate attestation

Defence of laboratory works – current, oral -written, credit – intermediate, oral -written