INFORMATION SYSTEMS AND TECHNOLOGIES

ANNOTATION
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 6-05-0612-03 Information management systems
Profiling Automated information processing systems

	Form of higher education		
	Full-time (daytime)	Part-time	Part-time reduced
Course	1	1	
Semester	1	2	
Lectures, hours	16	4	
Laboratory classes, hours	16	4	
Credit , semester	1	2	
Class hours for the academic discipline	32	8	
Independent work, hours	76	100	
Total hours per academic discipline / credit units	108/3		

1. Summary of the content of the discipline

The purpose of the discipline is to teach students modern information systems, technologies and tools of transformation, processing, storage and transmission of information.

2. Learning outcomes

know:
- The device and technical means of the personal computer;
- system and application software;
- principles of database organization and design;
- basic techniques of using office programming;
be able to:
- work in the Microsoft Windows operating system environment;
- use standard office software packages, including word-processor Microsoft Word, tabular processor Microsoft Excel, DBMS Microsoft Access;
- build mathematical models and develop algorithms for solving applied problems;
- use skills in organizing databases in professional activities.
have skills:
- methods of algorithmic engineering tasks;
- Skills in practical creation and support of functioning of automated workplaces based on personal computers;
- methods of managing programs, data and equipment on the basis of modern operating systems for personal computers.

3. Competencies to be formed

SK-11 Receive, process and analyze information, provide its storage.

4.Requirements and forms of current and interim certification.

Current - protection of laboratory works, intermediate - credit.