Information systems and technologies"

ANNOTATION
TO THE SYLLABUS OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-53 01 02 Automated Systems of Information Processing

	Form of higher education		
	Full-time (full-time)	Correspondence	Part-time
Course	1	1	1
Semester	1	2	2
Lectures, hours	34	8	8
Laboratory, hours	34	8	8
Exam, semester	1	2	2
Classroom hours in the educational discipline	68	16	16
Independent work, hours	52	104	104
Total hours in the discipline / credit units	120/3		

1.Summary of the content of the discipline
Teaching students about modern information systems, technologies and tools of transformation, processing, storage and transmission of information.

2. Course objectives
As a result of study of the discipline, the student should
know:
- the device and technical means of the personal computer;
- system and application software;
- principles of organization of databases and their design;
- basic techniques of using office programming;
be able to:
- work in the Microsoft Windows operating system environment;
- use standard office software packages, including text processor Microsoft Word, tabular processor Microsoft Excel, DBMS Microsoft Access;
- build mathematical models and develop algorithms for solving applied problems;
- to use skills on the organization of databases in professional activity.
master:
- methods of algorithmic engineering tasks;
- skills of practical creation and support 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. Formable competencies
BPC-10 Receive, process and analyze information, provide its storage. 4.

4.Requirements and forms of current and intermediate attestation.
ZLR, TA, PCU, exam.