DISTRIBUTED DATA PROCESSING SYSTEMS
(name of discipline)

ANNOTATION
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-53 01 02 "Automated information processing systems

	Form of higher education		
	Full-time (daytime)	Correspondence abbreviated	Correspondence
Course	2	2	3
Semester	4	3	5
Lectures, hours	34	8	8
Laboratory classes, hours	34	8	8
Practical (seminar) classes, hours	16	4	4
Coursework, semester	4	3	5
Exam, semester	4	3	5
Classroom hours in the academic discipline	84	20	20
Independent work, hours	132	196	196
Total hours in the academic discipline / credits	216 / 6,0		

1. Summary of the content of the training discipline
The purpose of the discipline is to form a systematic knowledge of the software development life cycle and technologies used at its various stages, including modeling of the subject area, requirements formalization, algorithmic design solutions, software implementation and debugging applications.

2. Learning outcomes
As a result of the study of the discipline the student should:

know:
− basic concepts of information technology, the main and promising areas of development of information systems and technologies;
− definition, the evolutionary development of software development life cycle models;
− programming paradigms and existing approaches to program development;
− principles, methods and tools of structural programming;
− principles, methods and tools of object-oriented programming.

be able to:
− identify and define the essential elements of design;
− perform graphic interpretation of design solutions;
− apply modern approaches to programming and debugging applications.

mastery:
− modern software design and development technologies;
− skills as a member of a group of specialists to develop the design documentation for the software;
− methods of coding and debugging software to implement design solutions.

3. Competencies to be formed
Mastering this academic discipline should provide the formation of the following competencies: UK-1 to possess the basics of research activities, search, analysis and synthesis of information, UK-5 to have the skills of self-development and improvement in professional activities, UK-6 to take the initiative and adapt to changes in professional activities, BPC-15 to carry out object analysis and design of information processing systems.

4. Requirements and forms of current and intermediate attestation.
Protection of laboratory works, intermediate control of progress, exam.