DESIGN OF AUTOMATED SYSTEMS

(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	**4**	**4**	**3**
Semester	7	8	6
Lectures, hours	32	8	8
Lab exercises, hours	32	8	8
Practical (seminar) classes, hours	16	4	4
Coursework, semester/ credits	7	9	6
Exam, semester	7	8	6
Classroom hours in the academic discipline	80	20	20
Individual work, hours	64	124	124
Total hours in the discipline / credits	144/4		

1. Summary of the content of the discipline

The purpose of the course is to acquire the special knowledge, skills and abilities necessary for an information technology engineer in the process of designing automated systems.

2. Learning outcomes

As a result of mastering the academic discipline, the student must

to know:

-modern conceptual, theoretical and applied aspects of ASOI design;
-modern automated design systems of ASOIU;
-application software in corporate data processing systems;
-mechanisms of intertasking interactions;
-features of data processing of multitasking distributed systems.

be able to:

-use modern automated control system design automation tools in a wide range of human-machine systems: from individual automated workstations to control systems for technological and organizational processes at the enterprise and industry levels.

has the skill of:

-procedural and object-oriented programming languages;
- methods of describing database schemas and other elements of ASOI;
-methods and means of development and registration of technical documentation

3. Emerging competencies

To examine, describe and analyze automation objects, to use tools to support the design processes of automated systems. Apply marketing concepts and categories, the main marketing tools for the commercialization of software products and IT services. Master the basics of research, search, analyze and synthesize information. To work in a team, to perceive social, ethnic, religious, cultural and other differences with tolerance. Take the initiative and adapt to changes in professional activities.

4. Requirements and forms of current and intermediate attestation

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