GRAPH THEORY
(course title)
ANNOTATION
TO THE CURRICULUM OF THE DISCIPLINE

Specialty 6-05-0611-01«Automated information processing systems»

	The form of higher education	
	Full-time (full-time)	Correspondence
Course	**2**	**3**
Semester	4	5
Lectures, hours	34	6
Lab exercises, hours	16	4
Auditorium control work (semester, hours)	-	5, 2
Report, semester	4	5
Classroom hours in the academic discipline	50	12
Individual work, hours	58	96
Total hours in the discipline / credits	108/3	108/3

1. Summary of the content of the discipline
Teaching students the basics of computer networks; gaining practical skills in programming network protocols; mastering the theory and practice of designing computer networks.

2. Learning outcomes
As a result of studying the discipline the student should:
know: the basic concepts of building local and global networks; hardware and software networking; basic protocols, methods of organization, methods of combining computers in the network; principles of developing programs to organize client-server interaction;
be able to: analyze the level of effectiveness of network solutions; effectively use operating systems and offer network solutions for developed application tasks; develop interaction programs to work in client-server architecture to organize client-server interaction and distributed data processing; use different protocols in software development;
has a skill: basic methods and software tools of network applications development; methods of setting and solving the problem of designing or upgrading a local or corporate computer network.

3. Competencies to be formed
Mastering this study discipline should ensure the formation of the following competencies: Develop models of computer networks, networking programs, use hardware and software components of computer networks in solving problems in the areas of activity, work with network protocols.

4. Requirements and forms of current and intermediate attestation
Defence of laboratory works - current, oral -written, credit – intermediate, oral -written