NETWORK TECHNOLOGIES
(course title)

TO THE EDUCATIONAL INSTITUTION'S CURRICULUM

Specialty: 6-05-0611-04 “Electronic Economy”
(speciality code and name)

profiling: Electronic Marketing" (profile)
(concentration)

	STUDY MODE	
	full-time	part-time
Year	**4**	**3**
Semester	7	6
Lectures, hours	16	4
Practical classes (seminars), hours	34	8
Pass/fail, semester	7	6
Contact hours	50	12
Independent study, hours	58	96
Total course duration in hours / credit units	108/3	

1. Course outline

The purpose of the academic discipline is to train specialists in the field of modern network technologies.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- basic concepts of building local and global networks; methods of combining computers and devices in a network;
- basic functions and modes of computer interaction, hardware and software network;
- basic protocols, methods of organization, ways of combining computers in a network;
- types of network topologies and basic algorithms of interaction of nodes;
- transmission methods, encryption and data protection techniques;
- perspective directions of development of computer networks and network technologies, methods of using networks and network technologies in professional activities.

be able to:

- analyze the level of efficiency of network solutions;
- effectively utilize operating systems and provide networking solutions for developed application problems;
- use different protocols in developing software tools.

to possess a skill:

- development and justification of network configuration, traffic estimation in segments, selection of network hardware and software;
- configuring local networks, implementing network protocols using software tools;
- formulation and solution of the problem of designing or modernizing a local, corporate computer network;
- work with information in local and global computer networks.

3. Competencies

Mastering of this academic discipline shall ensure the formation of the following competencies:

Names of competencies to be formed
Apply methods of computer systems and networks architecture construction for e-business organization

4. Requirements and forms of midcourse evaluation and summative assessment

The current certification is the protection of laboratory work.

Intermediate certification is an oral assessment.