PROGRAMMING TECHNOLOGY

ANNOTATION

TO THE CURRICULUM OF HIGHER EDUCATION INSTITUTIONS
SPECIALTY 6-05-0611-04 ELECTRONIC ECONOMICS
SPECIALIZATION: EMAIL MARKETING

	Form of study	
	Full-time	Correspondence
Well	2	2
Semester	4	3
Lectures, hours	16	4
Laboratory classes, hours	34	8
Classroom test		3(2 ч.)
Exam, semester	4	3
Contact work for training sessions, hours	50	14
Independent work, hours	58	94
Total hours per academic discipline / credit units	108/3	108/3

1. Brief content of the academic discipline. the purpose of teaching the discipline is to study and practically master the general principles and modern methods of programming technology using the principles of object-oriented programming.

2. Learning outcomes as a result of studying the academic discipline, the student must:

know:

- basic concepts and syntax of the language, oop technology and program development techniques;
- methods for defining and using basic objects and constructions of the language;
- technology for organizing and using class hierarchy, predefined classes and data types, methods for restricting access and handling exceptional situations;
- methods for parameterizing classes and their use to solve problems;
- methods of using templates and container abstractions;
- working with threads and developing multi-threaded applications;
- be able to:
- define abstractions, modules, build a hierarchy of classes for implementing programs;
- use methods: typing, encapsulation, inheritance, polymorphism to develop software products;
- use the capabilities of standard libraries;
- use the exception mechanism to create stable applications;
- create your own and use the provided standard libraries of templates for complex data structures;
- use OOP technology to develop complex programs and systems;

have the skill:

- developing programs using the principles of object-oriented programming.

3. Developed competencies:

Names of formed competencies
Apply programming technologies and use a programming language in professional activities

4. Requirements and forms of current and intermediate certification:

- carrying out defenses of laboratory work - current certification;
- conducting the exam - interim certification.