Information technology
(course title)

COURSE SYLLABUS ABSTRACT
of higher education institution
speciality

1-25 01 07 Enterprise Economy and Management
(speciality code and name)

	STUDY MODE
	full-time
Year	1, 2
Semester	1-3
Lectures, hours	106
Laboratory classes, hours	88
Course paper, semester	3
Exam, semester	1-3
Contact hours	194
Independent study, hours	264
Total course duration in hours / credit units	458/11

1. Course outline

The purpose of the educational discipline is to create theoretical knowledge among students about modern information technologies and systems based on the use of computer equipment and network technologies, and to master the practical skills of their use as a tool for solving problems in the subject area.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know: know the basic concepts of computer information technology; functional elements of computers and computer networks; purpose and composition of system and application software; The basics of programming in a high-level algorithmic language; Programming fundamentals in a visual application development environment Principles for the organization of computer information systems (CIS) in the subject area; CIE standards; Business process modeling technologies the concept of reengineering business processes; basic methods and means of information protection in CIS; The concept of a database and approaches to database design; functionality of database management systems and SQL language; multi-user database processing systems; Database administrator functions Knowledge base concept and knowledge presentation models.

be able to: determine the configuration of the personal computer; Use Intenet network services for professional tasks Develop and publish Web pages; Develop VBA macros and modules Develop applications in a high-level programming language; Design databases work with knowledge bases in expert systems; Simulate business processes solve economic problems by means of computer information systems.

possess: creation of text, tabular, graphic documents and dynamic presentations; technologies for creating databases and their applications.

3. Competencies

Codes of formed competencies	Names of formed competencies
АК-3	Proficiency in research skills
АК-4	Be able to work independently
АК-5	Be able to generate new ideas (have creativity)
АК-7	Have skills related to using technical devices, managing information and working with a computer
АК-9	Be able to learn, improve your skills throughout your life
СЛК-4	Master health-saving skills
ПК-5	Own modern telecommunications facilities
ПК-6	Prepare reports, presentation materials

4. Requirements and forms of midcourse evaluation and summative assessment