

Technology practice

(course title)

COURSE SYLLABUS ABSTRACT

1-40 05 01 Information systems and technologies (majors in)

(speciality code and name)

1-40 05 01-01 Information systems and technologies (in designing and producing)

(specialisation code and name)

	STUDY MODE	
	full-time	part-time (shortened program)
Year	3	3
Semester	6	6
Total course duration in hours / credit units	216/6	

1. Course outline

The purpose of technological practice is to deepen and consolidate theoretical knowledge in the studied disciplines in accordance with the curriculum of the specialty.

The objectives of the practice are to study the structure of the enterprise or organization; study the technological process related to his future professional activities; master the standards and regulatory documents governing its work; gain skills of working in one of application software packages.

2. Course learning outcomes

Upon completion of the course, students will be expected to know: prospects for the development of information technologies and systems; general principles of computer construction and architecture; hardware and basics of personal computer management; basics of work in application software packages.

be able to: use technical and reference literature, sets of standards; set and solve tasks related to organizing a dialogue between the user and the information system, using the tools available.

possess: basic methods, methods and means for obtaining, storing, processing information using computer equipment.

3. Competencies

AK-1 – Be able to apply basic scientific and theoretical knowledge to solve theoretical and practical problems; AK-2 – Own system and comparative analysis; AK-3 – Own research skills; AK-4 – Be able to work independently; AK-5– Be able to generate new ideas (have creativity); AK-6 – Have a multidisciplinary approach to problem solving; AK-7 – Have skills related to the use of technical devices, information management and computer work; AK-8 – Have oral and written communication skills; AK-9 – Be able to study, improve your qualifications throughout your life; AK-10 – Use the basic laws of natural sciences in your professional activity; AK-11 – Own the main methods, methods and means of obtaining, storing, processing information using computer equipment; AK-12 – Own the main methods of protecting production personnel and the population from the possible consequences of accidents, disasters, natural disasters; AK-13 – Navigate the basic provisions of economic theory, apply them taking into account market economy; AK-14 – Organize your work on a scientific basis, independently evaluate the results of your work; SLK-1 – Have the qualities of citizenship; SLK-2 – Be capable of social interaction; SLK-3 – Have the ability to interpersonal communications; SLK-4 –Master health-saving skills; SLK-5 – Be capable of criticism and self-criticism; SLK-6 – Be able to work in a team; PK-3 – Analyze and justify the selection of technical, software and systems for automated support of professional activities; PK-9 – Perform modeling and design of software developed to support professional activities; PK-11 – Develop functional, information and other models of formalized representation of professional processes; PK-21 – Analyze and evaluate the collected data; PK-22 – Negotiate with other interested parties; PK-23 – Prepare reports, materials for presentations; PK-24 – Use Global Information Resources.

4. Requirements and forms of midcourse evaluation and summative assessment

verbal-written: differentiated test.