

CORPORATE INFORMATION SYSTEMS

COURSE SYLLABUS ABSTRACT of higher education institution

Speciality 6-05-1042-01 «Transport logistics»
Concentration Regional transport and logistics systems

	STUDY MODE	
	Full-time	Part-time (shortened program)
Year	2	2
Semester	3, 4	3, 4
Lectures, hours	32	8
Laboratory classes, hours	50	10
In-class test, semester (hours)	–	3 (2 hours), 4 (2 hours)
Pass/fail, semester	3	3
Exam, semester	4	4
Contact hours	82	22
Independent study, hours	170	230
Total course duration in hours / credit units	252 / 7	

1. Course outline

Corporate information systems: concept, purpose, main components, standards and development prospects. The concept of construction, development and implementation of a corporate information system. General principles of ERP. SADT Structural Analysis and Design Technology. Information systems and logistics technologies in transport. Warehouse management information systems. Management information systems in supply chains. General information about designing web sites. HTML language. Application in corporate information systems of economic forecasting. Table processors and their application in corporate information systems. Using artificial intelligence systems in CIS: expert systems. Using artificial intelligence systems in CIS: decision support systems. Simulation modeling. Simulation modeling methodology.

2. Course learning outcomes

Upon completion of the course, students will be expected

– **to know:** types of tasks solved within the framework of integrated resource planning systems, their features; main classes of information systems used by enterprises to solve practical problems; technology for building information systems, their structure and basic elements; principles of designing information systems in practical problems of enterprise resource planning; capabilities and applied nature of corporate information systems;

– **be able to:** work with economic information and master the technology of design and operation of integrated enterprise resource planning information systems; present in general the capabilities of information systems of various classes; use tools and understand the purposes of using information systems to solve enterprise resource planning problems;

– **to possess a skill:** setting tasks that can be solved using integrated information systems for enterprise resource planning; use of existing classes of information systems in economics.

3. Competencies

– Be able to use information systems, software and networked computer technologies to process logistics information and apply them in professional activities.

4. Requirements and forms of midcourse evaluation and summative assessment

The module-rating system is used. The form of midcourse evaluation is defenses of laboratory work and tests. The forms of intermediate certification are a pass/fail and an exam.