

APPLIED INFORMATION SYSTEMS IN LOGISTICS

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

Information systems in logistics. Logistics information infrastructure. SADT Structural Analysis and Design Technology. Information systems and logistics technologies in transport. Warehouse management information systems. Management information systems in supply chains. Information security issues on the Internet. General information about designing web sites. HTML language. Economic forecasting. Table processors and their application in logistics. Using artificial intelligence systems in logistics: expert systems. The use of artificial intelligence systems in logistics: decision support systems. Simulation modeling. Simulation modeling methodology.

2. Course learning outcomes

Upon completion of the course, students will be expected

to know: the role of information flow in the logistics system; application packages in the field of logistics; a tool of modern information systems used in logistics; capabilities and applied nature of information systems;

be able to: use information systems in logistics; apply modern computer tools in logistics; evaluate the effectiveness of the information system in logistics; design information systems in logistics;

to possess a skill: of documenting and information support of commercial, marketing, logistics, advertising and merchandise activities of the organization.

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 forms of midcourse evaluation are defense of laboratory works and tests. The forms of intermediate certification are a pass/fail and an exam.