

INVENTORY AND WAREHOUSING LOGISTICS

COURSE SYLLABUS ABSTRACT

6-05-1042-01 «Transport logistics »

(speciality code and name)

Regional transport and logistics systems

(concentration)

	STUDY MODE	
	Full-time	Part-time (shortened)
Year	3	3
Semester	5	5
Lectures, hours	34	6
Practical classes, hours	16	4
In-class test, (semester, hours)	–	5, 2 hours
Course project, semester	5	5
Exam, semester	5	5
Contact hours	50	12
Independent study, hours	58	106
Total course duration in hours / credit units	108 / 3	

1. Course outline

The concept, functions and tasks of production logistics. An industrial enterprise as an object of logistics management. The production structure of the enterprise. Types and methods of production organization. The production capacity of the enterprise. Organization of operational, production and rhythmic work of the enterprise. Organization of production preparation for the release of new products. Repair facilities in ensuring the continuity of material flows. Instrumental farming as an element of the logistics infrastructure. Organization of the energy sector. Organization of transport facilities. Logistic production management systems.

2. Course learning outcomes

Upon completion of the course, students will be expected to know:

- basic concepts, concepts and principles used in production logistics;
- features of the organization of the production process in space and time;
- types, forms and methods of production organization;
- organization of production maintenance;
- organization of production provision with tools, energy and transport services;
- the content and tasks of operational and production planning at the enterprise;

be able to:

- develop variants of organizational and technological schemes;
- to model production processes;
- to use computer technology in the development of production organization issues;
- develop detailed operational and calendar plans and schedules for the operation of production equipment;

- set tasks for performers and monitor the performance of work;

to possess a skill:

- to apply the conceptual framework of production logistics;
- of analysis and synthesis of production logistics systems;
- to study material flow in production logistics;
- to development of operational and calendar plans;
- of calculations of the main organizational and technical parameters of production lines, interoperative turnovers, and scheduling of production lines;
- to assess the effectiveness of organizing a production logistics system.

3. Competencies

SK-10 – Be able to plan production and economic activities taking into account the logistics approach, manage the main logistics functions of the enterprise.

4. Requirements and forms of midcourse evaluation and summative assessment

The module-rating system is used. The form of midcourse evaluation is the defense of individual assignments, intermediate certification is an exam.