

LOGISTICS OF INVENTORY AND WAREHOUSING

ANNOTATION TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-27 02 01 "Transport logistics"

Direction of the specialty 1-27 02 01-01 "Transport logistics (road transport)"

Specialization _____

| | Form of higher education |
|--|--------------------------|
| | Full-time (daytime) |
| Course | 2 |
| Semester | 4 |
| Lectures, hours | 50 |
| Practical (seminar) classes, hours | 16 |
| Laboratory classes, hours | 16 |
| Course project, semester | 2 |
| Exam, semester | 6 |
| Classroom hours per academic discipline | 82 |
| Independent work, hours | 38 |
| Total hours per academic discipline / credit units | 120/3 |

1. Brief content of the discipline: inventory in the logistics system; goals and objectives of inventory management; the concept and types of stocks; cost elements in inventory generation inventory management models; manage different groups of stock items designing optimal supply chain inventory management systems; the essence of warehousing logistics treasures in logistics; development of a storage system; logistics and processes in the warehouse modern technical equipment of the warehouse; commission system and equipment management; warehouse costs as part of logistics costs design of warehousing and logistics zones of cargo processing; optimization of warehousing; warehouse activity evaluation system.

2. Learning outcomes. As a result of mastering the academic discipline, the student must:

- **know:** basic terms and concepts concerning the discipline "Logistics of inventory and warehousing"; modern logistics management concepts of the organization inventory classification; logistics cost structure for inventory generation methods for analysing and forecasting stock requirements; approaches to determining the required level of insurance inventory; how to define the basic parameters of the order cycle logistics systems and inventory management models; logistics analysis and inventory level control, procedures for monitoring inventory levels in logistics systems classification of warehouses, handling and transshipment facilities; content of the logistics process in the warehouse modern trends in the development of warehousing (warehousing) and technical equipment of logistics infrastructure; logistics principles for the management of flows of goods passing through the warehouse (warehouse) and distribution network; legal and regulatory framework for warehousing, main types of documents accompanying the processes in the warehouse; criteria and efficiency factors for inventory and logistics management in the warehouse;

- **be ability to:** analyze and forecast inventory requirements apply inventory optimization methods determine the optimal safety inventory; project optimal inventory management models and strategies define the necessary customer service standards; define storage costs analyze warehouse systems and simulate their components; develop the technological process in the warehouse; calculate the operational indicators of the warehouse; select the quantity and location of warehouses in the service area; determine the effectiveness of inventory and logistics management in the warehouse; use the knowledge gained to assess and identify reserves to improve inventory and logistics management in the warehouse;

- **possess:** skills in forecasting stock requirements; methods for designing an optimal inventory management strategy inventory management technologies; procedures for monitoring inventory levels in logistics systems skills in warehouse systems and infrastructure; technology of calculation of storage areas and necessary lifting and transportation equipment; methods for determining the location and number of warehouses in the service area; know how to use logistics tools to evaluate and optimize inventory and warehouse systems.

3. Formed competencies: BPC-8 - be able to implement modern systems of mechanization and automation of warehouses in transport and logistics centers, organize operational planning and warehouse management.

4. Requirements and forms of current and intermediate certification. Modular rating system is used. Intermediate certification: protection of an individual task. Current certification: exam.