

APPROVED
Vice-rector for educational activities
Veronika.G. Shubaeva
2023.

Логистика / Logistics

Syllabus of the course

Specialty *38.03.02 Management*
Specialization *Business management and digital innovations*
Level of higher education *Bachelor*
Form of training *Full-time*
Year of enrolment *2023*
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Total number of hours	108	Form of final attestation: Exam: semester 3
incl:		
contact work	48	
self-study	24	
practical training	0	
control hours	36	

Hours distribution:

Semester:	3
Type of classes	Hours
Contact hours	20
Practical training	28
Laboratory work	
Total contact hours	48
Self-study	24
Control hours	36
Total academic hours	108
Total credits	3

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1. LEARNING OBJECTIVES

Objective:	Formation of students' competencies in the use of the logistics tools to make economically sound organizational and managerial decisions for the implementation of the processes of tangible and intangible objects transfer in space and time, considering the existing limitations
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2. COURSE PLACE IN THE PROGRAMME STRUCTURE

The discipline B1.O Logistics is a part of Block 1.

3. EXPECTED LEARNING OUTCOMES

Code and name of graduate competence	Code and name of the competence achievement indicator	Expected learning outcomes
GPC-3 – Able to develop sound organizational and managerial decisions, taking into account their social significance, promote their implementation in a complex and dynamic environment and assess their consequences	GPC-3.2 – Evaluates the results of analysis and optimization of business processes	<p>To know: basic concepts and methods of analysis and optimization of business processes using logistics tools</p> <p>To be able: to analyze and apply approaches to the optimization of business processes using logistics tools.</p> <p>To possess: the skills to justify organizational and managerial decisions based on the results of the analysis of business processes.</p>

4. COURSE STRUCTURE AND CONTENT

Code and name of the topics	Course content	Academic hours			
		Contact work			Self-study
		Lectures	Practices	Workshops	
Topic 1: Basic concepts of logistics, its goals and key objectives	The basic concept of logistics, types of functional areas. The basic rules of logistics. The main objectives of logistics, as well as its objectives. The essence of internal and external logistics, incoming and outgoing. Types of costs in logistics.	4	6		4
Topic 2. The evolution of logistics in the global economy	evolution of logistics and business approaches in the global economy, consideration of key values, business priorities. Evolution of approaches to cost analysis and optimization. Development of logistics as a tool to ensure the competitiveness of the organization.	4	6		4
Topic 3. Logistics processes and operations	Typology of flows in logistics. Flows and their classification. Logistics as a science of flow management. The concept of flow, its main parameters. The main types of flows, the classification of flows on an alternative sign. Material resources of an enterprise, the main characteristics. Types of material resources. Information flows, their characteristics. Features of	3	4		4

	information flows. The interaction of material and information flows. The role of information support in logistics activities. The concept of inventories, types of inventories, their specific properties. The role and movement of inventories. Management of inventories of the enterprise. Consideration of cases of flow management in various areas of activity (trade, IT industry, creative industries, etc.) The essence of logistics processes, logistics operations.				
Topic 4 Logistics systems and their design methods	The concept of a system, the totality of its properties. The main features of the classification of systems. Examples. The concept of a logistics system. Basic categories: logistic function, logistic operation, logistic chain, logistic links. Types of logistic systems: macro-, meso-, micro-logistic systems. Macro-logistic systems, their hierarchy. Tasks to be solved during the construction and management of macro-logistic systems. Mesological systems. Micrologistic systems, their types. Principles of building logistic systems. Transportation of material resources outside and within a logistic system. Warehousing processes in logistic systems.	3	4		4
Topic 5: Application of logistic tools in business process analysis	The essence of logistics operations planning with the planning of enterprise activities. Key performance indicators in logistics. Approaches to the analysis of business processes in logistics. Basic information products designed to analyze the key performance indicators that characterize the parameters of the business process. The use of ABC- and XYZ-analysis in logistics	3	4		4
Topic 6: Application of logistic approaches to organizational and managerial decision-making	The essence of the application of key approaches focused on organizational and management decisions. Approaches to decision-making with a focus on reducing the duration of delivery of goods, inventory levels, manual labor, the cost of services rendered, etc	3	4		4
Control hours:					36
Total hours:		20	28	0	24

5. TEACHING AND LEARNING TOOLS OF THE COURSE

5.1 Recommended literature

Bibliographic description of the publication (author, title, type, place and year of publication, number of pages)	Digital resources
Management of supply chains : textbook for universities / V. V. Shcherbakov [et al.] ; edited by V. V. Shcherbakov. - Moscow : Publishing house Urait, 2022. - 209 c	https://urait.ru/viewer/upravlenie-cepyami-postavok-491419
Logistics : textbook for universities / V. V. Shcherbakov [et al.] ; edited by V. V. Shcherbakov. - Moscow : Publishing house Urait, 2022. - 387 c.	https://www.urait.ru/viewer/logistika-491417
Lukinsky V.S. Fundamentals of logistics: a textbook / V.S. Lukinsky, V.V. Lukinsky, N.G. Pletneva. - SPb: SPbGEEU, 2012. - 282 p.-Information is also available on the Internet:	http://opac.unecon.ru/elibrary/bibl/fulltext/Study/8822.pdf

опас.unecon.ru	
Неруш, Юрий Максимович. Логистика: теория и практика проектирования : учебник и практикум для вузов / Ю. М. Неруш, С. А. Панов, А. Ю. Неруш. Москва : Юрайт, 2022. 422 с. (Высшее образование) . ISBN 978-5-534-13563-3 : 1039.00.	https://urait.ru/viewer/logist ... proektirovaniya-488979#page/27

5.2 List of software (including national production)

- 7-Zip
- LibreOffice
- ОС АЛТ образование 10

5.3 List of reference systems and modern professional databases

№	Name of reference systems and professional databases
1.	Digital library Grebennikon.ru – www.grebennikon.ru
2.	Science Digital Library eLIBRARY – www.elibrary.ru
3.	Science Digital Library КиберЛеника – www.cyberleninka.ru
4.	Database ПОЛПРЕД Справочники – www.polpred.com
5.	Database OECD Books, Papers & Statistics on the platform OECD iLibrary www.oecd-ilibrary.org
6.	Legal reference system КонсультантПлюс (installed resource UNECON or www.consultant.ru)
7.	Legal reference system «ГАРАНТ» (installed resource UNECON or www.garant.ru)
8.	Information and referral system «Кодекс» (installed resource UNECON or www.kodeks.ru)
9.	Digital library system BOOK.ru - www.book.ru
10.	Digital library system ЭБС ЮРАЙТ – www.urait.ru
11.	Digital library system ЗНАНИУМ (ZNANIUM) – www.znanium.com
12.	Digital library UNECON – опас.unecon.ru

6. TECHNICAL FACILITIES

There are special rooms for lectures, seminars, coursework, group and individual consultations, current and interim assessments, as well as rooms for self-study.

The premises are equipped with equipment and teaching aids.

The rooms for students' independent work are equipped with computers with Internet connection and access to the university's electronic learning environment.

Name of classroom	Classroom location
Classroom 2004 Classroom (for lectures and seminars, course projects (coursework), group and individual consultations, current control and intermediate attestation), equipped with a multimedia complex. Specialized furniture and equipment: Educational furniture for 54 seats, teacher's workplace, chair - 1 pc, Chalk board (3 sections) - 1 pc, chair - 1 pc, blinds - 2 pcs., Computer Intel i3-2100	191023, St. Petersburg, Griboedova canal, 30-32, lit. A, B, P

2.4 Ghz/4Gb/500Gb/Acer V193 19" - 1 pc, Multimedia projector Type 1 Optoma x 400 - 1 pc. Sets of demonstration equipment and teaching and visual aids: multimedia applications for lecture courses and practical classes, interactive teaching and visual aids.	
Classroom 2022 Laboratory "Laboratory Complex". Specialized furniture and equipment: Educational furniture for 19 seats (19 computer tables, 19 black chairs), the teacher's workplace (computer table – 1pc, a chair – 1pc.), chalk board – 1 pc, wheeled marker board – 1 pc, table – 1 pc, chair – 1 pc, blinds – 1 pc, coat rack – 1 pc, computer Intel i5 4460/1Tb/8Gb/monitor Samsung 23" - 1 pc. Sets of demonstration equipment and teaching and visual aids: multimedia applications for lecture courses and practical classes, interactive teaching and visual aids.	191023, St. Petersburg, Griboedova canal, 30-32, lit. A, B, P

7. METHODOLOGICAL GUIDELINES FOR STUDENTS

The following documents should be made available to the trainee before the start of the course:

- training and methodological documentation;
- local normative acts regulating the main issues of the organisation and implementation of educational activities, including those regulating the procedure for current monitoring and interim assessment of students;
- the schedule of consultations of the teaching staff.

The level and depth of mastering the discipline is determined by the active and systematic work of students in lectures, seminars, independent work, including in terms of identifying the most significant and relevant problems for further study. A special condition for qualitative mastering of the discipline is an effective organisation of work, which allows distributing the academic workload evenly in accordance with the schedule of the educational process.

When preparing for classes, students have the opportunity to attend consultations with the staff of UNECON according to the timetable set out in the schedule of consultations.

The students' in- and out-of-classroom work should aim to form:

- the fundamentals of the learner's world view and scientific understanding;
- basic knowledge relevant to the training area and the declared professional field, forming the target and professional basis for training;
- professional competences oriented towards the needs of the labour market;
- an individual trajectory by mastering a unique set of professional competences that complement the learner's competence model, through a focus on specific professional specialised areas of knowledge defined by labour market representatives;
- meta-skills for learners, such as teamwork and leadership, data analysis, digital skills, project design and implementation, intercultural interaction.

8. SPECIFICATIONS FOR TEACHING DISABLED PERSONS

Students with disabilities, if necessary, are taught on the basis of an adapted work programme using special teaching methods and didactic materials that take into account the particularities of their psychophysical development, individual capacities and health status.

In order for disabled persons and persons with disabilities to master the curriculum, the University shall ensure that:

- for the visually impaired and visually impaired: availability of information on the timetable in accessible places and adapted forms for learners who are blind or visually impaired; presence of an assistant to assist the learner as needed; production of alternative formats of teaching materials (large print or audio files);
- for the hearing-impaired and hearing-impaired: adequate sound reproduction of information;
- for persons with disabilities and persons with mobility impairments: the possibility of unimpeded access for students to classrooms, restrooms and other areas of the department, as well as their stay in these areas.

Learners with disabilities and persons with disabilities are provided with printed and/or electronic educational resources in forms adapted to their disabilities. The education of students with disabilities may be organised with other students or in separate groups or organisations.

ASSESSMENT RESOURCES

1.1 Control tasks and assignments for interim attestation

1. The basic concept of logistics, types of functional areas
2. Key rules of logistics, the main objectives of logistics, key objectives
3. The essence of internal and external logistics
4. Inbound and outbound logistics processes
5. The essence of applying a logistic approach to business process management
6. Logistic strategy of business development.
7. The concept and properties of the logistics system.
8. The concept of logistics technology. The evolution of business priorities of companies and the development of logistics technology.
9. The concept and functions of logistics management.
10. Logistics costs: composition, structure and ways to reduce them.
11. The essence of applying an integrated approach in logistics
12. The functional areas of logistics.
13. The concept of inventory, types of inventory, their specific properties. Features of stock transfer.
14. Typology of flows in logistics. Flows and their classification.
15. Features of information flow management.
16. Features of financial flow management.
17. Features of commodity flow management.
18. Features of logistics systems in various areas of professional activity
19. Approaches to cost optimization in logistics
20. The essence of logistic tools in ensuring organizational competitiveness.

1.2 Topics for written task

Is not provided by the work programme of the discipline.

1.3 Interim checkpoints

Number	Type	Method of conduct	Topic number
1	Analytical work	written	1-4
2	Case study	by means of technical means and information systems	4-6
3	Monitoring	written	1-6

1.4 Other assessment objects

Is not provided by the work programme of the discipline.

1.5 Self-study

Name of self-study	Topic number
Homework	1-6
Exam preparation	1-6
Development of individual/group projects	4-6
Preparation for lecture and practical classes	1-6

1.6 Grading scale

Scales of assessment and procedures for assessing learning outcomes of the discipline are regulated by the Regulations on the current control of progress and interim attestation of students in higher education programmes and the Regulations on the scoring and rating system.

A grading and rating system is used to assess the learning outcomes of the discipline:

The final control of the discipline is an examination (or a differentiated test), the final grade being formed in accordance with the scale given in the table below:

Points	Grade
<54	Fail
55-69	Satisfactory
70-84	Good
>=85	Excellent

Grading scale

2 (points to 54)	Demonstrates a lack of understanding of the problem. Many of the requirements of the assignment are not met. An initial perception of the material is demonstrated. The work is incomplete and/or plagiarised.
3 (points 55-69)	Demonstrates a partial understanding of the problem. Most of the requirements of the task have been met. Mastery of the elements of the assigned material. The material is mostly clear and coherent.
4 (points 70-84)	Demonstrates considerable understanding of the issue by the discipline. All requirements of the assignment are fulfilled. The content of the completed tasks is disclosed and examined from different perspectives.
5 (points 85-100)	Demonstrates full understanding of the problem. All requirements of the assignment are fulfilled. Demonstrates proficiency in the discipline. The completed assignments are holistic, complete, structured, present different points of view and demonstrate creativity.