

Syllabus

Logistics

Subjects:	Logistics
Level of higher education:	First (undergraduate)
Course page in Moodle:	https://dl.khadi.kharkov.ua/course/view.php?id=2871
The scope of the educational component	spring 4 credits (120 hours)
Final control form	Test
Consultations:	on schedule
Name of the department:	Department of Economics and Entrepreneurship
Language of teaching:	Ukrainian
Course leader:	Andrij Volodymyrovych Nepran, Candidate of Economic Sciences, Associate Professor
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Brief content of the educational component:

The goal is formation in future specialists of the concept of the multifaceted and complex problems of managing material resources, understanding the need for unified management of material flows, mastering the basics of the theory and practice of logistics.

Subject: general patterns of development of logistics systems, features and trends of management and optimization of material flows.

The main tasks of studying an academic discipline are:

- determination of general principles and regularities of integrated management of material, information, financial and other flows;
- creation and operation of logistics systems, optimal management of logistics processes;
- ensuring rational and effective use of the material and technical base of production, trade, transport and other components of the market infrastructure;
- creation of optimal conditions for the operation of logistics systems;
- management of orders, purchases, stocks;
- organization of distribution and physical distribution of goods;
- application of warehouse logistics.

Prerequisites for studying the educational component:

enterprise economy, economic and mathematical methods and models, economic statistics, accounting.

Competencies acquired by the acquirer:

General competences:

Ability to abstract thinking, analysis and synthesis.

Ability to apply acquired knowledge in practical situations.

Special (professional) competences:

The ability to analyze and solve tasks in the field of economic and social-labor relations.

The ability to justify economic decisions based on an understanding of the regularities of economic systems and processes and using modern methodological tools.

The ability to independently identify problems of an economic nature when analyzing specific situations, to propose ways to solve them.

Learning outcomes according to the educational program:

Apply analytical and methodical tools for justifying proposals and making management decisions by various economic agents (individuals, households, enterprises and state authorities).

Apply the acquired theoretical knowledge to solve practical problems and meaningfully interpret the obtained results.

Thematic plan

№ topic s	Name of topics (LC, PL, IW)	Number of hours	
		ocular	extramural
1	2	3	4
1	LC. Methodological foundations of logistics	4	2
	PL. Methodological foundations of logistics	2	
	IW. Approaches to the organization of logistics	10	16
2	LC. Supply logistics	4	2
	PL. The essence, purpose and tasks of supply logistics	2	
	IW. Ways to determine the size of the order	10	16
3	LC. Management of material stocks. Inventory logistics	4	2
	PL. Inventory management system	2	2
	IW. Periodic procurement system	10	16
4	LC. Placement of warehouses	4	2
	PL. Placement of warehouses	2	
	IW. Determining the location of the distribution warehouse by the sorting method	10	16
5	LC. Warehouse logistics	4	2
	PL. The concept and functions of composition. Classification of compounds	2	
	IW. Additional warehouse equipment	10	16
6	LC. Technological process in the warehouse	4	
	PL. The order of the technological process in the warehouse	2	2
	IW The order of the technological process in the warehouse	10	16
7	LC. Transport logistics	4	2
	PL. Concept of transport logistics. Means of transport	2	2
	IW. Control over cargo transportation	10	16
8	LC. Organization of cargo transportation	4	
	PL. Organization of cargo transportation	2	2
	IW. Transport tariffs	10	18
In just one semester LC		32	12
In just one semester PL		16	8
In just one semester IW		80	12
ALL by discipline		120	130

Individual educational and research task (if available):

Teaching methods:

- 1) verbal: 1.1 traditional: lectures, explanations, stories, etc.;
- 2) visual: method of illustrations, method of demonstrations
- 3) practical: 3.1 traditional: practical classes, seminars;

Evaluation system and requirements:

Current performance

1 The current success of applicants for the performance of educational types of work in training sessions and for the performance of independent work tasks is evaluated using a four-point rating scale with subsequent transfer to a 100-point scale. During the evaluation of the current academic performance, all types of work provided by the educational program are taken into account.

1.1 Practical classes are evaluated by determining the quality of performance of specified tasks.

1.2 Independent work is evaluated by the quality of performance of a control or individual task, performance and design of practical work.

2 The current performance of higher education applicants is assessed at each practical session (laboratory or seminar) on a four-point scale ("5", "4", "3", "2") and entered in the journal of academic performance.

- "excellent": the winner mastered the theoretical material flawlessly, demonstrates deep knowledge of the relevant topic or academic discipline, the main provisions;

- "good": the applicant has mastered the theoretical material well, has the main aspects from primary sources and recommended literature, presents it in a reasoned way; has practical skills, expresses his thoughts on certain problems, but certain inaccuracies and errors are assumed in the logic of the presentation of theoretical content or in the analysis of practical ones;

- "satisfactory": the applicant has basically mastered the theoretical knowledge of the educational topic or discipline, orients himself in primary sources and recommended literature, but answers unconvincingly, confuses concepts, answers additional questions uncertainly, does not have stable knowledge; when answering questions of a practical nature, reveals inaccuracy in knowledge, does not know how to evaluate facts and phenomena, connect them with the future profession;

- "unsatisfactory": the applicant has not mastered the educational material of the topic (discipline), does not know scientific facts, definitions, hardly orients himself in primary sources and recommended literature, lacks scientific thinking, practical skills are not formed.

3 The final score for the current activity is recognized as the arithmetic mean sum of points for each lesson, for individual work, current control works according to the formula:

$$K^{nomoy} = \frac{K1 + K2 + \dots + Kn}{n},$$

where K^{nomoy} – final assessment of success based on the results of current control;

$K1, K2, \dots, Kn$ – assessment of the success of the current control measure;

n – number of ongoing control measures.

Assessments are converted into points according to the calculation scale (table 1).

Table 1 – Recalculation of the average grade for the current activity into a multi-point scale

4- ballroom scale	100- ballroom scale	4- ballroom scale	100- ballroom scale	4- ballroom scale	100- ballroom scale	4- ballroom scale	100- ballroom scale
5	100	4,45	89	3,90	78	3,35	67
4,95	99	4,4	88	3,85	77	3,3	66
4,9	98	4,35	87	3,80	76	3,25	65
4,85	97	4,3	86	3,75	75	3,2	64
4,8	96	4,25	85	3,7	74	3,15	63
4,75	95	4,20	84	3,65	73	3,1	62
4,7	94	4,15	83	3,60	72	3,05	61
4,65	93	4,10	82	3,55	71	3	60
4,6	92	4,05	81	3,5	70	from 1,78 to 2,99	from 35 to 59
						repeated drafting	
4,55	91	4,00	80	3,45	69	from 0 до 1,77	from 0 до 34
4,5	90	3,95	79	3,4	68	repeated study	

Final assessment

1 A student of higher education receives a credit in the last lesson in the discipline based on the results of the current assessment. The average score for the current activity is converted into points on a 100-point scale, according to the conversion table (table 1).

Applicants for higher education who have a current grade point average in the discipline lower than "3" (60 points) can increase their current grade by taking tests in the discipline in the last session.

Assessment of the knowledge of applicants through testing is carried out according to the following scale:

- "Excellent": at least 90% of correct answers;
- "Very good": from 82% to 89% of correct answers;
- "Good": from 74% to 81% of correct answers;
- "Satisfactory": from 67% to 73% of correct answers;
- "Satisfactory enough": from 60% to 66% of correct answers;
- "Unsatisfactory": less than 60% of correct answers.

2 The condition for obtaining credit is:

- making up for all missed classes;
- the average current grade in the discipline is not lower than "3" (60 points).

3 For performing individual independent work and participation in scientific events, additional points are awarded to the winners.

3.1 Additional points are added to the sum of points scored by the student of higher education for the current educational activity (for disciplines for which the final form of control is a credit), or to the final grade in the discipline for which the final form of control is an exam.

3.2 The number of additional points awarded for different types of individual tasks depends on their volume and importance:

- prizes in the discipline at the international / all-Ukrainian competition of scientific student works - 20 points;
- prize places in the discipline at the All-Ukrainian Olympiads - 20 points;
- participation in the international / all-Ukrainian competition of scientific student works - 15 points;
- participation in international / all-Ukrainian scientific conferences of students and

young scientists - 12 points;

- participation in all-Ukrainian Olympiads in the discipline - 10 points
- participation in Olympiads and scientific conferences of the Khnadu in the discipline - 5 points;
- performance of individual scientific and research (educational and research) tasks of increased complexity - 5 points.

3.3 The number of additional points cannot exceed 20 points.

4 The learning result is evaluated (select is required):

- on a two-point scale (passed/failed) according to table 2;
- on a 100-point scale (for differentiated assessment) according to table 3.

The final grade together with additional points cannot exceed 100 points.

Table 2 – Scale for transferring points to the national evaluation system

On a 100-point scale	On a national scale
from 60 points to 100 points	counted
less than 60 points	not counted

Table 3 – The scale for evaluating the knowledge of students based on the results of the final control of the academic discipline

Score in points	Evaluation on a national scale		Evaluation according to the ECTS	
	examination	test	Rating	Criteria
90-100	Perfectly	Enrolled	A	The theoretical content of the course has been mastered in its entirety, without gaps, the necessary practical skills for working with the mastered material have been formed, all educational tasks provided for in the training program have been completed, the quality of their performance has been assessed with a number of points close to the maximum
80–89			B	The theoretical content of the course has been mastered in its entirety, without gaps, the necessary practical skills for working with the mastered material have mainly been formed, all educational tasks provided for by the training program have been completed, the quality of most of them has been assessed with a number of points close to the maximum
75-79	Fine	Enrolled	C	The theoretical content of the course has been mastered in its entirety, without gaps, some practical skills of working with the mastered material have not been formed enough, all educational tasks provided for by the training program have been completed, the quality of none of them has been assessed with a minimum number of points, some types of tasks have been completed with errors

Score in points	Evaluation on a national scale		Evaluation according to the ECTS	
	examination	test	Rating	Criteria
67-74	Satisfactorily		D	The theoretical content of the course is partially mastered, but the gaps are not of a significant nature, the necessary practical skills for working with the mastered material are basically formed, most of the educational tasks provided by the training program have been completed, some of the completed tasks may contain errors
60-66			E	The theoretical content of the course has been partially mastered, some practical work skills have not been formed, many educational tasks provided by the training program have not been completed, or the quality of some of them has been assessed with a number of points close to the minimum.
35-59	Unsatisfactorily	Not counted	FX	The theoretical content of the course has been partially mastered, the necessary practical work skills have not been formed, most of the prescribed training programs of educational tasks have not been completed, or the quality of their implementation has been assessed with a number of points close to the minimum; with additional independent work on the course material, it is possible to improve the quality of the performance of educational tasks (with the possibility of retaking)
0-34	Unacceptable		F	The theoretical content of the course has not been mastered, the necessary practical work skills have not been formed, all completed educational tasks contain gross errors, additional independent work on the course material will not lead to any significant improvement in the quality of the performance of educational tasks (with a mandatory repeat course).

Course policy:

- the course involves working in a team, the environment in the classroom is friendly, creative, open to constructive criticism;
- mastering the discipline involves mandatory attendance of lectures and practical classes, as well as independent work;
- independent work involves the study of individual topics of the academic discipline, which are presented in accordance with the program for independent study, or were considered briefly;

- all tasks provided by the program must be completed within the set time;
- if the student of higher education is absent from classes for a good reason, he presents the completed tasks during independent preparation and consultation of the teacher;
- while studying the course, students of higher education must adhere to the rules of academic integrity set forth in the following documents: "Rules of academic integrity of participants in the educational process of the Khnadu" (https://www.khadi.kharkov.ua/fileadmin/P_Standart/pologeniya/stvnz_67_01_dobroch_1.pdf), «Academic integrity. Checking the text of academic, scientific and qualification papers for plagiarism» (https://www.khadi.kharkov.ua/fileadmin/P_Standart/pologeniya/stvnz_85_1_01.pdf), «Moral and ethical code of participants in the educational process of the Khnadu" (https://www.khadi.kharkov.ua/fileadmin/P_Standart/pologeniya/stvnz_67_01_MEK_1.pdf).
- in case of detection of plagiarism, the applicant receives 0 points for the task and must repeat the tasks provided for in the syllabus;
- writing off during tests and exams is prohibited (including using mobile devices). Mobile devices are allowed to be used only during online testing.

Recommended Books:

1. Gurch L. M. Logistics: education. manual National transp. Univ. 2nd edition Kyiv: NTU, 2020. 507 p.
2. Fedorova V. O., Blaha V. V. Logistics: academic. manual Kharkiv. national automobile road Univ. Kharkiv: O. V. Brovin, 2019. 153 p.
3. Marchenko V.M., Shutjuk V.V. Logistics: Textbook Kyiv: Artek Publishing House, 2018. 312 p.
4. Rules for the transportation of goods by road transport in Ukraine: Order of the Ministry of Transport of Ukraine dated October 14, 1997 No. 363. URL: <http://zakon.rada.gov.ua> (access date November 24, 2021).
5. Voronko-Nevidnycha T. V., Ishchenko M. V., Myroshnyk V. S. Aspects of improving management of logistics activities of enterprises. Pryazovsky Economic Bulletin. 2020. Issue 1 (8). P. 78-81.
6. Kolesnikov S. O., Volodchenko V. V. Modern trends in the development of innovations and information technologies in the logistics system of industrial enterprises of Ukraine. Economic Herald of Donbass. 2020. No. 1(59). P. 49-56.
7. Shvets V. Ya., Boychenko M. V. Outsourcing in the logistics of road freight transportation in Ukraine: state, problems and prospects. Economic Herald of Donbass. 2019. No. 3(57). P. 103-108.

Additional sources:

1. distance course:
(<https://dl.khadi.kharkov.ua/course/view.php?id=2871>).
2. Website of the State Statistics Service of Ukraine. URL: www.ukrstat.gov.ua.

Developer:

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