

Syllabus VK Transport logistics

Subjects:	Transport logistics
Level of higher education:	first (undergraduate)
Course page in Moodle:	https://mf.khadi.kharkov.ua/departments/kompjuternikh-tekhnologii-i-mekhatroniki/navchalna-robota/informaciinii-paket-specialnosti-121-2016-2019-rr/
The scope of the educational component	3 credits (90 hours)
Final control form	Test
Consultations:	on schedule
Name of the department:	Department of Computer Technologies and Mechatronics
Teaching language:	English
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Brief content of the educational component:

The **goal** is an in-depth study and discussion of certain issues related to the transportation of trade, the study of the peculiarities of cargo transportation by various types of transport, the study of regulatory acts regulating the transportation of cargo.

Subject: theoretical and methodological foundations of the creation of logistics systems in transport.

The main **tasks** of studying an academic discipline are:

- get knowledge in the field of cargo transportation organization;
- develop an understanding of the interrelationships between various disciplines studied within the direction;
- to be able to develop criteria, evaluate and choose a mode of transport;
- consolidate the skills of applying methods of qualitative and quantitative analysis transport systems;
- consolidate and deepen the skills of working with information sources

Тематичний план

№ of topic	Name of topics (LK, LR, PR, SZ, SR)	Number of hours	
		intramural	extramural
1	2	3	4
1	ЛК Введення до транспортної логістики	2	2
	ПР Планування міжнародної автомобільної перевезення	2	2
	СР Формування логістичних ланцюгів	7	7
2	ЛК Організація процесів в транспортної логістики	2	2
	ПР Вибір способу доставки вантажу різними видами транспорту	2	2
	СР Параметри різних видів транспорту	7	7
3	ЛК Складання маршрутів перевезення вантажів	2	2
	ПР Визначення найкоротших відстаней між пунктами транспортної мережі	2	2
	СР Методи створення транспортних мереж	7	7

4	ЛК Складання раціональних маятникових і кільцевих маршрутів	2	2
	ПР Закріплення споживачів однорідного вантажу за постачальниками	2	2
	СР Ефективність різних видів маршрутів	7	7
5	ЛК Развозочно-складальних маршрутів	2	2
	ПР Розробка раціональних развозочно-складальних маршрутів руху автомобілів	2	2
	СР Сучасні логістичні концепції доставки вантажів	7	7
6	ЛК Організація перевезень вантажів у міжміському сполученні	2	2
	ПР Задача комівояжера	2	2
	СР Альтернативні способи рішення задачі комівояжера	7	7
7	ЛК Логістика запасів	2	2
	ПР Розрахунок параметрів системи управління запасами	2	2
	СР Організація складських операцій	9	9
8	ЛК Організація пасажирських перевезень	2	2
	ПР Організації перевезень на маршруті	2	2
	СР Методи збору інформації о пасажиропотоках	7	7
УСЬОГО за дисципліною		90	90

Individual educational and research task (if available):

Teaching methods:

- 1) verbal: 1.1 traditional: lectures, explanations, stories, etc.;
- 1.2 interactive (non-traditional): problem lectures, discussions, etc.;
- 2) visual: method of illustrations, method of demonstrations
- 3) practical: 3.1 traditional: practical classes, seminars;
- 3.2 interactive (non-traditional): business and role-playing games, trainings, seminars-discussions, "round table", brainstorming method.

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

1.2 Practical classes are evaluated by the quality of performance of a control or individual task, performance and design of practical work.

1.3 Laboratory classes are evaluated by the quality of reports on the performance of laboratory work.

1.4 Seminar classes are evaluated by the quality of individual assignment/abstract.

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 1 – Scale for transferring points to the national evaluation system.

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

Table 2 – The scale for evaluating the knowledge of students based on the results of the final control of the academic discipline

Evaluation in points	Evaluation according to the national scale		Evaluation according to the ECTS scale	
	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	Okay	Enrolled	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			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
67-74			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	Satisfactorily		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.

Evaluation in points	Evaluation according to the national scale		Evaluation according to the ECTS scale	
	examination	test	Rating	Criteria
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 literature: (literature no later than 10 years old, except for 1 fundamental classical textbook or monograph)

1. Basic literature

1. Jason Monios, Rickard Bergqvist Intermodal Freight Transport and Logistics 1st Edition / Jason Monios, Rickard Bergqvist . - CRC Press; 1st edition (December 10, 2019) - 280 pages.

2. A Practical Guide to Logistics: An Introduction to Transport, Warehousing, Trade and Distribution 1st Edition / Jerry Rudd. - Kogan Page; 1st edition (July 30, 2019). - 384 pages;

2. Supporting literature

3. The Logistics and Supply Chain Toolkit: Over 100 Tools for Transport, Warehousing and Inventory Management 3rd Edition / Gwynne Richards, Susan Grinsted - Kogan Page; 3rd edition (March 31, 2020) - 424 pages

Developer(s)
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