

Ministry of Education and Science of Ukraine
Sumy National Agrarian University
Faculty of Economics and Management
Department of Marketing and Logistics

Work program (syllabus) of the educational component
Organization of logistics activities
(selective)

Implemented within the educational program **Management**
in specialty 073 «Management»
at the **I (bachelor's)** level of higher education

Developer: _____

MA

Makarenko N.O., D.Sc., Associate Professor,
Professor of Department of Marketing and Logistics
(surname, initials) (academic degree and title, position)

Considered, approved and approved at the meeting of the Department of <u>Marketing and Logistics</u> (name of the department)	Protocol from <u>03.06.2022 y.</u> № <u>15</u>
	The head Departments <u><i>[Signature]</i></u> <u>Lishenko M.O.</u> (signature) (surname, initials)

Agreed:

Guarantor of the educational program _____

[Signature]

N.V. Stoyanets

(signature)

Dean of the faculty where the educational program is implemented _____

[Signature]

N.I. Strochenko

(signature)

Work program review (attached) provided: _____

[Signature]

N.V. Stoyanets

L.A. Khromykhina

Methodist of the Department of Education Quality, licensing and accreditation _____

[Signature] (*[Signature]*)

(signature)

Registered in the electronic database: date: _____

01.07. 2022 y.

Information on viewing the work program (syllabus):

Academic year in which changes are made	The number of the appendix to the work program with a description of the changes	The changes have been reviewed and approved		
		Date and number of the minutes of the meeting of the department	Head of Department	Guarantor of the educational program

1. GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT

1.	NameEC	Organization of logistics activities		
2.	Faculty / Department	Economics and management		
3.	StatusEC	selective		
4.	LevelNQF	6		
5.	Semester and duration of study	8, 1-15 week		
6.	Number of credits ECTS	3		
8.	The total number of hours and their distribution	Contact work (classes)		Individual work
		Lectures	Practicals / Seminars	
		6 hours	4hours	-
9	Language of instruction	Ukrainian		
10	Teacher / Coordinator of the educational component	D.Sc., Associate Professor Makarenko N.O.		
11	Contact Information	aud. 214 e; Phone: +380664214790; nmakar165@ukr.net ,		
12	General description of the educational component	<p>The discipline is based on tasks, principles and approaches that involve consideration of theoretical issues of the essence of logistics activities, functions and tasks performed at the enterprise. The discipline is aimed at forming in students the ability to use the basic principles of material flow management; providing practical skills in decision-making on planning, management and control of logistics flows in micro- and macro-logistics; acquaintance with the basic methods of decision-making used in logistics.</p> <p>Discipline is a course aimed at forming in students the ability to independently draw up a scheme for the promotion of material flow depending on the form of ownership and specialization of the enterprise; analyze the organizational structures of the enterprise and logistics management services on them; develop strategies in the field of logistics; highlight the most significant shortcomings of the practical activities of enterprises and develop sound proposals in the field of logistics; to study and use modern methods of analytical and design work in the field of logistics systems; to predict the material flow and determine the main indicators of the functional areas of the logistics system.</p> <p>Discipline allows you to develop responsibility for their own learning, as well as skills such as: applying knowledge in practical situations, conducting research at the appropriate level, the ability to work in a team.</p>		
13	The purpose of the educational component	The purpose of the discipline is to master the theoretical knowledge of the basic functions of logistics activities at the enterprise, mastering the theoretical knowledge and practical skills of organizational, technological, technical and information support		

		of the basic functions of logistics
14	Prerequisites for studying EC, the relationship with other educational components of EP	<p>1. The educational component is based on the study of EC: Marketing, Management, Foreign Economic Activity of the enterprise, Logistics, Analysis of economic activity.</p> <p>2. The educational component is the basis for the study of EC: Operational Management, Strategic Management of the enterprise, Organization and cooperation of entrepreneurial activity.</p>
15	The policy of academic integrity	<p>Course policy - no form of violation of academic integrity is tolerated. In case of such events - response in accordance with the normative documents of SNAU on the academic integrity of the participants of the educational process.</p> <p>https://snau.edu.ua/viddil-zabezpechennya-yakosti-osviti/zabezpechennya-yakosti-osviti/akademichna-dobrochesnist/</p> <p>It is unacceptable for students to:</p> <ul style="list-style-type: none"> - When performing tests and theoretical surveys to use sources of information (oral (hints), written (work of others), printed (books, manuals), electronic (phones, tablets), not allowed by the teacher. funds without the permission of the teacher, violation of discipline, the student receives 0 points for the lesson and is obliged to work out such a lesson. - Write-offs during control works are forbidden. Mobile devices may only be used during online testing. <p>When working on tasks, it is not allowed to violate academic integrity: when using Internet resources and other sources of information, the student must indicate the source used during the task.</p>

2. CONTENT OF THE EDUCATIONAL COMPONENT (PROGRAM OF THE COURSE)

Topic. List of issues to be addressed within the topic	Distribution within the total time budget			Recommended Books
	Classroom work		Individual work	
	Lectures	Practicals		
<p><i>Topic 1. The essence of logistics.</i> The concept and essence of logistics activities at the enterprise. Signs of classification and structuring of logistics Factors of logistics development. Stages of logistics development. Sources of economic effect from the use of logistics. A typical variant of the organizational structure of the department of physical distribution management at the enterprise. A typical version of the structure of the materials management department at the enterprise. A typical version of the structure of the logistics department at the enterprise. Stages of formation of the theory of logistics. Analysis of total costs. System approach. Material flow.</p>	2	-	12	basic books: 2, 4 other books: 3, 4, 7 methodical provision: 1, 2 information sources: 3
<p><i>Topic 2. Methodology of logistics decisions.</i> Methods of solving logistics problems. System analysis. Cybernetic approach. Operations Research. Prognostication. Conceptual differences of methodological approaches to organizational and structural construction of the enterprise. Method of calculating the aggregate efficiency of the logistics system of the enterprise. An example of calculating an aggregate indicator of the efficiency of the logistics system at the enterprise. Methods of calculating aggregate indicators of stock capacity, stock return, stockpile of the economy of Ukraine.</p>	-	2	18	basic books: 1, 3, 4 other books: 2, 3, 6 methodical provision: 1, 2 information sources: 3
<p><i>Topic 3. Production logistics.</i> The concept and objectives of production logistics. Requirements for the organization of production. Logistics mission and strategy. Analysis of the current state of the organizational and managerial mechanism of the production enterprise. Development of an existing standard enterprise management system. Development of a scheme of a typical organizational structure of the logistics department of the enterprise. The ratio of logistics and marketing system. Logistical needs of marketing. Statistical reporting of logistics.</p>	-	-	14	basic books: 3, 4, 5 other books: 2, 3, 6 methodical provision: 1, 2
<p><i>Topic 4. Management and planning in logistics.</i> The main provisions of logistics management. Use of logistics management at the enterprise level. Features of logistics planning at the enterprise. Algorithm of logistics management of the enterprise. Logistics operating systems of the enterprise. Principles of logistics service. Ranking of service status indicators based on the results of a survey of business representatives. Standardization at the enterprise.</p>	2	-	12	basic books: 1, 4, 5 other books: 4, 7 methodical provision: 1, 2, 3, 4

<p><i>Topic 5. Indicators of logistics activities.</i> Types of indicators of logistics activities. Use of indicators of logistics activity. Methods for estimating logistics costs and ways to optimize them. Technical and economic indicators of transport. Logistic approaches to inventory management. Technical and economic indicators of the warehouse. Types of freight transportation. Transport characteristics of cargo. Freight turnover. The main factors influencing the level of stocks. Functional dependence of inventory management costs on the size of deliveries. Identification of warehouses by market positioning. Classification of cranes. Classification of containers.</p>	2	2	10	<p>basic books: 2, 4, 5 other books: 1, 3, 4, 7 methodical provision: 1, 2 information sources: 1, 2, 4</p>
<p><i>Topic 6. Information support of logistics activities.</i> Information flows in logistics. Information systems in logistics. Use of OLTP and OLAP technologies in logistics systems. Communications in logistics. Development of the scheme of the information system of the enterprise. Methodology of information system functioning. The structure of the information system of the enterprise. Enterprise resource management information systems. ERP enterprise resource management system. SCM supply chain management system. CRM customer interaction accounting system.</p>	-	-	14	<p>basic books: 1, 3, 4 other books: 3, 4 methodical provision: 1, 2</p>
Total	6	4	80	

3. TEACHING AND TEACHING METHODS

Teaching methods (work to be carried out by the teacher during classes, consultations)	Teaching methods (what types of educational activities the student must perform independently)
Verbal methods: lecture, consultation, educational dispute, «inverted class»	Method of ready knowledge, mutual learning (peer to peer learning), «brainstorming», method of determining the position, exchange of ideas (think-pair-share)
Visual methods: demonstration, illustration	Method of formation of abilities and skills, «Brownian motion»
Practical methods: case-study, practical work, work in small groups, implementation and defense of research work «decision tree»	Analytical teaching methods; information search; research method, partial search methods, joint project, debate
Tutoring method *	Methods of testing and assessing knowledge, skills and abilities

* Subject to changes in the learning process

4. EVALUATION BY EDUCATIONAL COMPONENT

4.1. Summative assessment

4.1.1. To assess the expected learning outcomes provided

№	Methods of summative evaluation	Points / Weight in the overall assessment	Date of implementation
1	Theoretical slice of knowledge:	10 points / 10%	3, 11 weeks

	Oral examination (for each correct answer 1 point) for the first and second boundary control The maximum score for the first theoretical boundary control is 5 points The maximum score for the second theoretical boundary control is 5 points		
2	Drawing up (writing) of settlement control works on 2 boundary controls	20 points /20 %	4, 12weeks
3	Multiple choice test	40 points /40 %	5, 14 weeks
4	Defense of individual developments (cases): calculation, writing of conclusions and offers, preparation of the presentation, protection	30 points /30 %	6, 13 weeks
	Total	100 points /100%	

4.1.1. Assessment criteria

<i>Component</i>	<i>Unsatisfactorily</i>	<i>Satisfactorily</i>	<i>Fine</i>	<i>Perfectly</i>
Theoretical slice of knowledge: Oral examination (for each correct answer 1 point) for the first and second boundary control The maximum score for the first theoretical boundary control is 5 points The maximum score for the second theoretical boundary control is 5 points	<i><6 points</i>	<i>6-7 points</i>	<i>8 points</i>	<i>9-10 points</i>
	The student has some theoretical elements of the course. There is no integrity of understanding of the theoretical material.	The student has mastered the basic theoretical material provided by the program of the discipline, which are the minimum allowable. Understands the basics, but makes a significant number of inaccuracies and blunders that can be corrected with the help of a teacher.	The student demonstrates good knowledge, has a good knowledge of the material that corresponds to the program of the discipline, but admits some inaccuracies.	The student demonstrates complete and solid knowledge of educational theoretical material in the amount that corresponds to the program of the discipline. Knows modern technologies and methods of calculations in this discipline.
Drawing up (writing) of settlement control works on 2 boundary controls	<i><12 points</i>	<i>12-15 points</i>	<i>16-18 points</i>	<i>19-20 points</i>
	Requirements for the estimated control work are not met.	Most calculations are performed, but some components are missing or insufficiently disclosed, there is no description of the management decision to the problem.	All the requirements of the task are met, but there are inaccuracies in the described management decisions. Errors in decisions and calculations are not systemic.	All requirements to the calculation control work are fulfilled, creativity, thoughtfulness is shown, own solution of a problem is offered.
Multiple choice test	<i><60% correct answers</i>	<i>60-74 % correct answers</i>	<i>75-89 % correct answers</i>	<i>90-100 % correct answers</i>
	The student has some theoretical elements of the course. There is no integrity of	The student has mastered the basic theoretical material provided by the program of the	The student demonstrates good knowledge, has a good	The student demonstrates complete and solid knowledge of educational

	understanding of the theoretical material.	discipline, which are the minimum allowable. Understands the basics, but makes a significant number of inaccuracies and blunders that can be corrected with the help of a teacher.	knowledge of the material that corresponds to the program of the discipline, but admits some inaccuracies.	theoretical material in the amount that corresponds to the program of the discipline.
Protection of individual developments (cases) (calculation, writing of conclusions and offers, preparation of the presentation, protection)	<i><18 points</i>	<i>18-22 points</i>	<i>23 -26 points</i>	<i>27-30 points</i>
	The requirements for the protection of individual development are not met.	The defense of individual development is done, but allows a significant number of inaccuracies and gross errors, which can be eliminated with the help of the teacher. There is a correspondence of the algorithm in the presentation, but there is no deep understanding of the research issues.	All requirements for the protection of individual development are met, but there are inaccuracies in the formed management decisions. In defending the individual development, the student gives comprehensive explanations, but there are inaccuracies in the proposals.	All requirements of protection of individual development are fulfilled, creativity, thoughtfulness is shown, own administrative decision of a problem is offered. Is able to analyze and compare the data of economic entities on the basis of knowledge and skills acquired in this and related disciplines.

4.2. Formative assessment:

To assess current learning progress and understand areas for further improvement

№	Elements of formative assessment	Period
1	Interviews and oral comments of the teacher on his results	3,6,9,12,15 weeks
2	Self-assessment of current testing	7,14 weeks
3	Checking and discussing tests	8,15 weeks
4	Protection of individual developments (cases)	15 weeks
5	Teacher's instructions in the process of performing practical tasks	each lesson
6	Discussion and self-correction of homework done by students	at each practical lesson
7	Solving situational problems	each lesson
8	Checking and evaluating written assignments	3,6,9,12,15 weeks

5. EDUCATIONAL RESOURCES (LITERATURE)

5.1. Basic books

- Balabanova L.V., Germanchuk A.M. Logistics: handy. for universities. Lviv: Magnolia-2006 Publishing House, 2019. 368 p. URL:<https://magnolia.lviv.ua/?p=1461>
- Krykavsky E., Pokhilchenko O., Furch M. Logistics and supply chain management: a textbook. Lviv: Lviv Polytechnic Publishing House, 2019. 848 p. URL:

- <https://vlp.com.ua/node/20038>
3. Krykavsky E.V., Chornopyska N.V. Logistics systems: textbook. Lviv: Lviv Polytechnic Publishing House, 2019. 288 p. URL: <https://vlp.com.ua/node/19979>
 4. Makarenko N.O. Strategic management of logistics activities of agricultural enterprises on a competitive basis: a monograph. Sumy: University Book, 2020. 266 p. URL: [http://irbis-nbuv.gov.ua/cgi-bin/irbis_nbuv/cgiirbis_64.exe?C21COM=S&I21DBN=EC&P21DBN=EC&S21FMT=JwU_B&S21ALL=%28%3C.%3EI%3D%21NBUV\\$%3C.%3E%29%2A%28%3C.%3EU%3D%D0%A39%284%D0%A3%D0%9A%D0%A0%29321-591%3C.%3E%29&Z21ID=&S21SRW=AVHEAD&S21SRD=&S21STN=1&S21REF=10&S21CNR=20](http://irbis-nbuv.gov.ua/cgi-bin/irbis_nbuv/cgiirbis_64.exe?C21COM=S&I21DBN=EC&P21DBN=EC&S21FMT=JwU_B&S21ALL=%28%3C.%3EI%3D%21NBUV$%3C.%3E%29%2A%28%3C.%3EU%3D%D0%A39%284%D0%A3%D0%9A%D0%A0%29321-591%3C.%3E%29&Z21ID=&S21SRW=AVHEAD&S21SRD=&S21STN=1&S21REF=10&S21CNR=20)
 5. Aucklander M.A. Logistics: textbook. way. Kyiv: Center for Educational Literature, 2018. 346 p. URL: https://www.yakaboo.ua/ua/logistika-1636310.html?gclid=CjwKCAjw-8qVBhANEiwAfjXLrgO0aSc1usLIT_d8BEsFaTsWth7-fOa-wEIOPchCLqEJRiQBsh9WzxoCno0QAvD_BwE

5.2. Other books:

1. Alkema V.G., Kirichenko O.S., Filatov S.A. Logistics consulting: Textbook. - Kyiv: University «University of Economics and Law «KROK»», 2020. 344 p. URL: https://library.krok.edu.ua/media/library/category/navchalni-posibniki/alkema_0027.pdf
2. Logistic controlling: textbook / [O. S. Dovgun, O.A. Rusanovska, O. Ya. Kobylukh, Y.I. Gavis, L. Yu. Shevtsiv]. Lviv: HALYCH-PRESS, 2018. 200 p. URL: http://ml.lp.edu.ua/?page_id=3194
3. Makarenko N.O., Lishenko M.O. Logistics. Theoretical foundations: textbook. - method. way. Buryń: PE «Buryń District Printing House», 2019. 144 p. URL: <https://eim.snau.edu.ua/kafedri/marketingu-ta-logistiki/metodichna-robota/navchalni-posibniki-ta-pidruchniki/logistika/>
4. Marketing and logistics: conceptual foundations and strategic decisions: textbook. way. in schemes and tables (for the organization of independent work of students of high school). / [S.V. Smerichevskaya, M.V. Zhabolenko, S.V. Chernysheva and others]; for general ed. S.V. Smerichevskaya. Lviv: «Magnolia 2006», 2019. 548 p. URL: <https://magnolia.lviv.ua/?p=1497>
5. Negoda A.V. International logistics in schemes: textbook. way. Kyiv: Taras Shevchenko National University, 2019. 203 p. URL: <https://ru.calameo.com/books/006052438f324fcd8b010>
6. Management of enterprise competitiveness through innovation and logistics business modeling: theory and practice: textbook. way. / [L.O. Kravchenko, T.V. Porudeeva, N.V. Filipchuk, O.V. Shtepa, R.V. Mayboroda]. Nikolaev: Ilion Publishing House. 2018. 274 p. URL: <http://dSPACE.mdu.edu.ua/jspui/handle/123456789/423>
7. Smirnov I.G., Kosareva T.V. Transport logistics: textbook. Kyiv: Center for Educational Literature, 2019. 224p. https://www.yakaboo.ua/ua/transportna-logistika-navchal-nij-posibnik.html?gclid=CjwKCAjw-8qVBhANEiwAfjXLrr2_IS6wSPRQDdh0mwz7y2mLkG9bCgOraF007
8. Risk management in logistics: textbook. / [V.M.Goncharov, R.R.Larina, O.V.Balueva, O.A.Ovechkina, I.V.Morgachev]. Lviv: «Magnolia-2006» Publishing House, 2019. 253 p. URL: <https://magnolia.lviv.ua/?p=1351>

5.3. Methodical provision

1. Organization of logistics activities: Summary of lectures for full-time and part-time students majoring in 073 «Management» educational degree «Bachelor». Sumy: SNAU, 2021. 94 p. (Protocol №6 dated June 11, 2021).
2. Page of the course «Organization of logistics activities» in the learning management system Moodle. URL: <https://cdn.snau.edu.ua/moodle/course/view.php?id=583>

5.4. Information sources

1. Regulations on the form of foreign economic agreements (contracts): Order of the Ministry of Economy and European Integration of Ukraine dated 06.09.2001 № 201. URL: <https://zakon.rada.gov.ua/laws/show/z0833-01#Text>
2. INCOTERMS 2020: features of possible application. URL: <http://www.visnuk.com.ua/en/news/100015209-inkoterms-2020-osoblivosti-mozhlivogo-zastosuvannya-1>
3. Official site «Legislation of Ukraine». URL: <http://zakon0.rada.gov.ua>
4. Regulations on the form of foreign economic agreements (contracts): Order of the Ministry of Economy and European Integration of Ukraine dated 06.09.2001 № 201. URL: <https://zakon.rada.gov.ua/laws/show/z0833-01#Text>

5.5. Software

1. Using standard Microsoft packages: Word, Excel, PowerPoint.
2. Multimedia, video and sound reproduction, projection equipment (video cameras, projectors, screens).
3. Service for organizing online classes and webinars «Zoom».

Work program review (syllabus)
Organization of logistics activities

Parameter by which the work program (syllabus) of the educational component is evaluated by the guarantor or a member of the project team	Yes	No	Comment
Learning outcomes for the educational component (DLO) correspond to the NQF	+		
Learning outcomes in the educational component provide an opportunity to measure and assess the level of their achievement	+		

Member of the project group EP «Management»
 (name)

_____ (підпис)

The parameter by which the working program (syllabus) of the educational component is evaluated by the teacher of the relevant department	Yes	No	Comment
General information about the educational component is sufficient	+		
Learning outcomes for the educational component (DLO) are in line with the NQF	+		
Learning outcomes by educational component (DLO) provide an opportunity to measure and assess the level of their achievement	+		
Learning Outcomes (DLO) relate to the competencies of students, not the content of the discipline (contain knowledge, skills, abilities, not topics of the curriculum of the discipline)	+		
The content of the EC is formed in accordance with the structural-logical scheme	+		
Learning activity (teaching and learning methods) allows students to achieve expected learning outcomes (DLO)	+		
The educational component involves learning through research that is appropriate and sufficient for the appropriate level of higher education	+		
The assessment strategy within the educational component is in line with the policy of the University / faculty	+		
The provided assessment methods allow to assess the degree of achievement of learning outcomes in the educational component	+		
The workload of students is adequate to the volume of the educational component	+		
Recommended learning resources are sufficient to achieve learning outcomes (DLO)	+		
The literature is relevant	+		
The list of training resources contains the software products needed to achieve DLO	+		

Reviewer (teacher of the Department
 of Management named after Prof.L.I. Mikhailova) _____
 (name) (signature)