




	<p>Syllabus on « LOGISTICS AUDIT »</p> <p>Educational Professional Program:</p> <p>«Logistics»</p> <p>Specialty: 073 “Management” Field of study: 07 “Management and Administration”</p>
Level of postsecondary education	Master
Course status	Subject Selected by Students
Year	1
Semester	1
Credit hours/academic hours	120/4,0
Language of course delivery	English
Course description	<p>Theoretical and practical aspects of logistics audit; methods and tools of independent expert assessment of macro and micrologistic systems of the company, aimed at identifying shortcomings, finding and solving problems of "bottlenecks"; methods of development and substantiation of operational and conceptual proposals for improving the company's efficiency and optimizing logistics costs.</p>
Course rationale (aim)	<p>The aim of the subject is the formation of knowledge, practical skills and professional competencies on the use of principles, standard procedures, methods and modern tools of logistics audit of micro- and macro-logistics systems to justify logistics management decisions to minimize total logistics costs and identify reserves to create additional consumer value (services) in supply chains that can become a competitive advantage of the company</p>
Learning outcomes	<ul style="list-style-type: none"> - critically consider, select and use the necessary scientific, methodical and analytical tools for monitoring the state and audit of management systems in unpredictable conditions; - to carry out complex and detailed monitoring and audit of the state of the logistics system, during which measurements and analysis of primary and secondary information are carried out; - to identify cause-and-effect relationships of logistics problems in the company; - to make forecasts and calculations of the efficiency of the logistics system based on KPI indicators, develop concepts and strategies for radical improvements along with operational changes; - to conduct an audit of the supply chain management system based on value benchmarks and supply chain performance indicators; - to be able to use the methodological toolkit for the justification of strategic decisions regarding the management of logistics business processes and the formation of perfect and competitive supply chains based on the results of a logistics audit. <p>Studying the subject will be a useful experience for those who plan to work both in domestic and international logistics companies and consulting companies in the field of logistics</p>
Acquired skills and competencies	<ul style="list-style-type: none"> – ability to solve complex tasks and problems in the field of logistics business processes based on the results of their logistics audit; – the ability to abstract thinking, analysis and synthesis (GC 7); – ability to organize and conduct logistics audit of business processes, micro- and macro-logistics systems and integrated supply chains;

	<ul style="list-style-type: none"> – ability to choose and use models, methods and technologies of logistics audit of management systems as a basis for making sound logistics decisions, including in accordance with the defined objectives and international standards of supply chain management; – ability to timely diagnose possible risks and problems in the management of logistics systems, to identify reserves and opportunities for their improvement; – ability to analyze and structure the problems of the organization, make effective management decisions and ensure their implementation; – ability to develop, maintain and improve logistics systems management systems; – ability to choose methods and tools of analysis and data processing in logistics; – to identify risks of local and global supply chains, develop measures to prevent risky situations, implement international standards of security of supply chains; – the ability to identify sources of losses and reserves to improve the efficiency of business processes in supply chains, taking into account the targets; – ability to identify and solve problems related to the specifics of logistics activities of enterprises and organizations at the micro and macro levels of the economy, generate new ideas and scientifically substantiate logistics management decisions.
Course content	<p>Course content: Logistics audit in the logistics management system Methodological approaches to logistics audit. Logistics Field Audit (LFA). Logistics costs as an object of logistics audit. Audit of the supply chain management system according to values and key performance indicators of supply chains. Benchmarking as a mandatory stage of logistics audit of logistics systems and integrated supply chains. Logistic audit of the situation and structure of the logistics infrastructure. Audit and certification of supply chain security management system based on international standards.</p> <p>Types of classes: lectures, practicals</p> <p>Teaching methods: explanatory-illustrative method; method of problem statement; reproductive method; research method; business game.</p> <p>Format of learning: full-time</p>
Prerequisites	-
Application	"Financial Flows in Logistics Systems", "Risk Managements in Logistics", "Logistics Systems Design" and others
Information Resources	<p>NAU repository: Course Training Program, list of questions for module test and Graded Test, educational and periodical literature on logistics audit.</p> <p>List of references</p> <ol style="list-style-type: none"> 1. William J. Markham. Logistics Audit (Financial Times Series), 2009. 116 p. 2. Gaidabrus N. Key aspects of logistics services audit // Маркетинг і менеджмент інновацій, 2015, № 2. – [Online], available at: https://mmi.fem.sumdu.edu.ua/sites/default/files/mmi2015_2_234_242_0.pdf. 3. Cluster Policy of Innovative Development of the National Economy: Integration and Infrastructure Aspects: collective monograph / under the editorship of professor Svitlana Smerichevska. Poznań: Wydawnictwo naukowe WSPIA, 2020. 382 p. (P 335-351). 4. Pivodová P., Šišková V. Effect of logistics audits on companies performance improvement – [Online], available at:

	http://clc2012.tanger.cz/files/proceedings/09/reports/1252.pdf .	
Location and technical support	Auditoriums of theoretical training, practicals, computer software, multimedia equipment, Google Classroom	
Assessment methods, final examinations	Module Test, Graded Test	
Department	Logistics Department	
Faculty	Faculty of Transportation, Management and Logistics	
Instructor		<p>SAVCHENKO LIDIIA VOLODYMYRIVNA</p> <p>Position: associated professor</p> <p>Teacher's profile: http://ftml.nau.edu.ua/images/klog/Resume/cv_savchenko.jpg</p> <p>Phone.: +38(044) 406-7821</p> <p>E-mail: lidiia.savchenko@npp.nau.edu.ua</p> <p>Office: 2.126</p>
Course authenticity	Combining and constantly updating modern material on logistics audit, applying in practical training of original business cases and developed business games	
Course URL	In process	