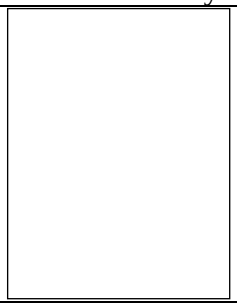
	Syllabus on **«METHODOLOGY OF APPLIED RESEARCHES IN LOGISTICS»** **Educational Professional Program:** **«Logistics»** Specialty: 073 “Management” Field of study: 07 “Management and Administration”
Level of postsecondary education	Master
Course status	Subject Selected by Students
Year	1
Semester	2
Credit hours/academic hours	120/4,0
Language of course delivery	English
Course description	This discipline is part of the theoretical framework that forms the knowledge and skills of masters to study regulatory and technological disciplines, as well as scientific outlook, which is the main condition for improving the quality of training of logistics specialists. The educational subject is the processes of cognition of the surrounding reality, creative processes of developing theoretical and methodological knowledge that create a problem in scientific research of technical direction in logistics.
Course rationale (aim)	The aim of the course is to develop students' theoretical knowledge and practical skills in the theory and methods of scientific knowledge of the surrounding reality, objective laws of development of technical objects, methodology of applied research; transport processes and phenomena, processes of creative thinking in logistics.
Learning outcomes	- - PLO1. To critically comprehend, select and use the necessary scientific, methodological and analytical tools for management in unpredictable conditions. - PLO7. Organize and carry out effective communication within the team, with representatives of different professional groups and in the international context. - PLO17. Use methodological tools of business intelligence in making management decisions. - PLO18. Use specialized conceptual knowledge that is the basis for original thinking and innovation, in particular in the context of research. - PLO19. To be able to use methodological tools to justify strategic decisions on the management of logistics business processes and the formation of perfect supply chains.
Acquired skills and competencies	- IC1. Ability to solve complex tasks and problems in the field of logistics business process management or in the learning process that involves research and/or innovation and is characterized by uncertainty of conditions and requirements. - GC1. Ability to conduct research at the appropriate level. - GC2. Ability to communicate with representatives of other professional groups of different levels (with experts from other fields of knowledge / types of economic activity). - GC6. Ability to generate new ideas (creativity). - GC8. Ability to formulate conclusions and recommendations based on the results of research, to calculate the effectiveness of

	research. - PC3. Ability to self-development, lifelong learning and effective self-management.
Course content	**Course content:** Choosing the direction and sequence of scientific research. Search, accumulation and processing of scientific information. Basics of bibliographic description. Planning of applied research in the field of logistics. Methods of a systematic approach to solving scientific and creative problems in the transport industry. Conducting experimental research in the transport industry. Application of mathematical methods and methods of statistical processing of experimental results **Types of classes:** lectures, practicals **Teaching methods:** explanatory-illustrative method; method of problem statement; reproductive method; research method; business game. **Format of learning:** full-time
Prerequisites	"Business foreign language" and "Strategic supply chain management"
Application	-
Information Resources	**NAU repository:** Course Training Program, list of questions for module test and Graded Test, educational and periodical literature on logistics audit. **List of references** 1. Bairagi V., Munot M. V. (ed.). Research methodology: A practical and scientific approach. – CRC Press, 2019. 2. Thomas C. G. Research methodology and scientific writing. – Thrissur: Springer, 2021. 3. Gonzalez-Feliu, J., Chong, M., Vargas Florez, J., & Padilla Solis, J. (Eds.). (2019). Handbook of Research on Urban and Humanitarian Logistics. IGI Global. 4. Ladanyuk A.P., Vlasenko L.O., Kishenko V.D. Methodology of scientific research: study guide — Kyiv: Lira-K, 2020. — 352 p. 5. Säfsten K., Gustavsson M. Research methodology: for engineers and other problem-solvers. – 2020.
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	 **KUNYTSKA OLGA MUKOLAIIVNA** **Position:** associated professor **Teacher's profile: In process** **Phone.:** +38(044) 406-7821 **E-mail:** olha.kunytska@npp.nau.edu.ua **Office**: 2.126
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