



Syllabus on
"Aviation Management"
 Educational Professional Program:
Aviation Logistics

Specialty: 073 "Management"

Field of study: 07 "Management and Administration"

Level of postsecondary education	Bachelor
Course status	Mandatory Subject
Year	4
Semester	7
Credit hours/academic hours	105 / 3,5
Language of course delivery	English
Course description	A theoretical basis of knowledge and practical skills that form the expert's profile in the field of aviation logistics
Course rationale (aim)	The aim of the subject is the mastering theoretical knowledge on logistics management and acquiring practical skills and abilities in using the principles and methods of aviation logistics management in the process of managing air transport and enterprises of various fields of activity to increase their stability, coordinate actions and resolve conflict situations
Learning outcomes	<ul style="list-style-type: none"> – demonstrate knowledge of theories, methods and functions of management, modern concepts of leadership; – demonstrate skills in identifying problems and justifying management decisions; – assess the legal, social and economic consequences of the organization's functioning. – communicate orally and in writing in national and foreign languages. – identify the causes of stress, adapt yourself and team members to a stressful situation, find means to neutralize it. – determine the parameters of management of material and related flows, comply with environmental requirements and safety rules of goods movement in the aviation industry. – demonstrate skills in optimizing the organizational and technological aspects of managing material and related flows in operational logistics activities in aviation supply chains (transportation operations, cargo processing, storage, sorting, marking, consolidation, customs clearance, information support, etc.) taking into account rules, practices and procedures to protect civil aviation from acts of illegal interference, taking into account aspects of safety, regularity and efficiency of flights.
Acquired skills and competencies	<ul style="list-style-type: none"> – ability to solve complex specialized tasks and practical problems, which are characterized by complexity and uncertainty of conditions, in the field of management and logistics or in the learning process, which involves the application of theories and methods of social and behavioral sciences; – operational and tactical management of logistics business processes of aviation companies, organization of complex logistics service for consumers of aviation industry products, organization of operational logistics activities in the field of civil aviation; – ability to apply knowledge in practical situations.

	<ul style="list-style-type: none"> – knowledge and understanding of the subject area and understanding of professional activity. – ability to learn and master modern knowledge. – ability to adapt and act in a new situation. – ability to act on the basis of ethical considerations (motives). – strive for personal and professional self-development, awareness of the social significance of one's future profession, possession of high motivation to perform professional activities. – acquisition of flexible and critical thinking, the ability to critically evaluate personal merits and shortcomings. – ability to carry out communication activities and business communication: public speeches, negotiations, meetings, business correspondence, electronic communications, etc. – ability to work in a team and team, readiness for cooperation with colleagues and information exchange in aviation supply chains and aviation logistics networks. – ability to assess the conditions and consequences of organizational and management decisions, the ability to justify management decisions and the ability to ensure their legitimacy from the standpoint of social responsibility. – ability to analyze the results of the organization's activities, to compare them with the factors influencing the external and internal environment. – ability to determine the prospects of the organization's development. – ability to manage the organization and its divisions through the implementation of management functions. – ability to act socially responsibly and consciously. – ability to choose and use modern management tools. – ability to plan the activities of the organization and manage time. – ability to analyze and structure the problems of the organization, to form reasonable solutions. – ability to set and solve tasks for the management of aviation material and related flows in logistics systems at the micro and macro levels. – ability to formulate requirements for transport, for systems of storage and warehouse processing of air cargo, for information systems that ensure the movement of cargo and passengers, and to make decisions regarding their selection.
Course content	<p>Course content: Evolution of the scientific foundations of management. The essence, tasks and features of aviation management as an air transport management system. Theoretical and methodological foundations of aviation logistics management. Scientific principles of aviation logistics management. Functions of logistics management of airlines. Methods and technologies of aviation logistics management. Strategy and tactics of logistics management of aviation companies. Modern organizational forms of partnership management in logistics chains of air transportation. Cluster strategy of airport-hubs in the system of regulation of air transportation of chains. Regulation of international air transport. Economic aspects of air navigation service of air transport. Synergistic efficiency of aviation management.</p> <p>Types of classes: Lectures, Practical classes.</p> <p>Teaching methods: explanatory-illustrative method; method of problem statement; research method</p> <p>Format of learning: full-time</p>
Prerequisites	«International Flight Management», «Strategic Management» and other
Application	precedes Major-related Training and performance of Qualification Paper in the specialty

Information Resources	<p>NAU repository: Course Training Program, list of questions for module test and exam, educational and periodical literature on cost management in air transportation supply chain.</p> <p>List of references:</p> <ol style="list-style-type: none"> 1. Aviation Management. Tutorial points. (2022) by Tutorial Point (I) Pvt Ltd. URL: https://www.tutorialspoint.com/aviation_management/aviation_management_tutorial.pdf. 2. Arya Raj. A Guide to Aviation Management. Independently published, 2022. 126 p. 3. Barry Humphreys. The Regulation of Air Transport: From Protection to Liberalisation, and Back Again. 1st Edition. Routledge, 2023. 266 p. 4. Victor Hughes Airline Governance. The Right Direction. 1st Edition Routledge, 2021. 168 p. 5. Peter Forsyth, Cathal Guiomard, Hans-Martin Niemeier. Airport Economics. 1st Edition. Routledge, 2023. 216 p. 6. Кулик В.А., Григорак М.Ю., Костюченко Л.В. Логістичний менеджмент: навч. посібник. К.: НАУ, 2012. 260 с. 7. Peter J. Bruce, Chris Mulholland. Airline Operations Control. 1st Edition Routledge, 2021. 220 p. 8. Markus Franke. Managing Airline Networks: Design, Integration and Innovative Technologies. 1st Edition Routledge, 2020. 196 p. 9. K. C. Khurana. Aviation Management: Global Perspectives. Global India Publications, 2009. 316 p. 10. Semeriahina M., Hryhorak M. Yu. The role of the airline as a logistics provider in the passenger travel chains involving air transport. Intellectualization of logistics and Supply Chain Management. 2021. № 5. P. 62-79. DOI: https://doi.org/10.46783/smart-scm/2021-5-5. 11. Semeriahina M., Hryhorak M. Yu., Bugaiko D.O. Analysis of the impact of business process outsourcing on the profitability of commercial airline in the conditions of a global pandemic. Logistics and Transport. 2021. No. 1-2 (49-50)/2021, P. 31-45. DOI: https://doi.org/10.26411/83-1734-2015-1-49-3-21. 12. International Journal of Aviation Management. URL: https://www.inderscience.com/jhome.php?jcode=ijam. 13. Journal of Airline Operations and Aviation Management. URL: https://www.jaoam.com/index.php/jaoam. 14. The International Air Transport Association. URL: https://www.iata.org/. 15. The International Civil Aviation Organization. URL: https://www.icao.int/Pages/default.aspx. 16. ACI World - The Voice of the World's Airports. URL: https://aci.aero/.
Location and technical support	Auditoriums of theoretical training, multimedia equipment, Google Classroom
Assessment methods, final examinations	Business Case, Module Test, Examination
Department	Logistics Department
Faculty	Faculty of Transportation, Management and Logistics
Instructor	<p>Semeriahina Myroslava Mykolaiivna Position : senior lecturer Instructor's profile: http://ftml.nau.edu.ua/images/klog/Resume/cv_semerjagina.jpg Phone: (044) 406-75-95 E-mail: myroslava.semeriahina@npp.nau.edu.ua Office: 2.122</p>

Course authenticity	Combining and constantly updating modern material on Aviation Management, applying in practical training of original business cases
Course URL	In process