



SYLLABUS OF THE SUBJECT «AIR CARGO TRANSPORTATION»

Educational Professional Program: «Air Transportation Management»

Field of study: 27 «Transport»

Speciality: 275 «Air Transport Technologies»

Specialization: 275.04 «Air Transport Technologies»

Higher Education Degree	First (Bachelor)
Subject status	Academic subject of mandatory component
Course of study	3
Semester	6
Subject volume, ECTS credits / total amount of hours	5,0/150
Language	Ukrainian, English
To be studied (study subject)	Organization and technology of international and domestic air freight; registration of transportation documentation; rules of cargo and mail transportation by air transport; the procedure for carrying out loading and unloading operations; flight cargo loading technology; calculations of technological parameters of airport cargo complexes.
Why is it interesting and must be learned? (purpose)	Ensuring specialist decision-making in the practice of air freight, providing knowledge on the organization and technology of cargo and mail transportation by air, transportation documentation, rules and international standards of transportation of cargo and mail, ability to organize transportation of cargo, draw up transportation documentation, ensure high quality of service clientele that meets the requirements of the qualification characteristics of a specialist in this field.
What is studied? (learning results)	<ul style="list-style-type: none"> – Take responsibility, show public awareness, social activity and participation in the life of civil society, think analytically, critically understand the world; – Organize and manage the transportation of goods in different connections. Choose the type, brand, type of vehicles (vessels) and routes. Monitor the progress of transportation; - Evaluate the parameters of traffic flows. Design schemes and networks of transport systems. Develop technologies for operational management of traffic flows; – Introduce methods of organizing safe transport activities; - Choose information systems for the organization of transportation. Operate automated control systems and navigation systems in the transportation process. Use electronic cards
How is it possible to use the gained knowledge and skills? (competencies)	<ul style="list-style-type: none"> - Ability to exercise their rights and responsibilities as a member of society, to realize the values of civil (free democratic) society and the need for its sustainable development, the rule of law, human and civil rights and freedoms in Ukraine; - Ability to preserve and increase moral, cultural, scientific values and achievements of society based on understanding the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technology, use different types and forms of physical activity for active recreation and a healthy lifestyle; - Skills in the use of information and communication technologies;

	<ul style="list-style-type: none"> - Ability to abstract thinking, analysis and synthesis; - Ability to analyze and forecast the parameters and performance of transport systems and technologies, taking into account the impact of the external environment; - Ability to organize and manage loading and unloading operations and warehousing operations on transport; - Ability to organize and manage the transportation of goods (by mode of transport). Ability to apply modeling and optimization methods for effective management of complex technological and organizational and technical transport complexes; - Ability to quickly manage the flow of traffic; - Ability to design transport (transport-production, transport-warehousing) systems and their individual elements. Ability to develop and use appropriate software for automation of transport systems and processes; - Ability to evaluate and ensure ergonomic efficiency of transport technologies; - Ability to organize international transportation; - Ability to manage the quality of air transport enterprises, identify and prevent possible risks; - Ability to identify insurance cases on air transport, to develop a system of measures to prevent and eliminate them
Academic logistics	<p>Course content: Module № 1 "Organization and technology of cargo and mail transportation by air"</p> <p>Topic 1. Organization of air freight management</p> <p>Topic 2. Organization of sales of freight</p> <p>Topic 3. Cargo complexes of airports</p> <p>Topic 4. Organization and technology of cargo transportation on international and domestic airlines</p> <p>Topic 5. The organization of the acquisition of cargo loading flights</p> <p>Topic 6. Freight information systems</p> <p>Topic 7. Organization and technology of mail transportation</p> <p>Module № 2 "Calculations of technological parameters of airport cargo complexes and rules of air cargo transportation"</p> <p>Topic 1. Calculations of technological parameters of cargo complexes of airports</p> <p>Topic 2. Rights and responsibilities of the carrier and cargo clientele</p> <p>Topic 3. Malfunctions in the transportation of goods and the order of their registration</p> <p>Topic 4. Responsibility of the carrier and cargo clientele</p> <p>Module № 3 (educational component) "Course project"</p> <p>Types of classes: lectures, laboratory classes</p> <p>Teaching methods: explanatory-illustrative method; method of problem statement; reproductive method; research method</p> <p>Forms of study: full-time, part-time</p>
Prerequisites	The discipline is based on knowledge of such disciplines as: "Cargo Science", "Fundamentals of transport enterprises", "Automated systems for designing elements of transport systems", "Aviation Insurance".
Post-requisites	The discipline is the basis for the study of such disciplines as: "Transportation of special cargo by air", "Transport and warehousing logistics".
Information support from the fund and repository of NAU library	<p>1. Gabrielova T., Lytvynenko S., Ivannikova V., Lytvynenko L., Borets I. Cargo Science and Logistics: Textbook. – K.: Publishing House "Condor", 2020. – 268 p.</p> <p>2. Габрієлова Т.Ю., Іваннікова В.Ю., Борець І.В., Медінський Д.В. Авіаційні вантажні перевезення: методичні рекомендації до виконання курсового проекту для студентів спеціальності 275 «Транспортні технології (на повітряному транспорті)». – К.: НАУ, 2020. – 53 с.</p> <p>3. Gabrielova T.Yu., Ivannikova V.Yu. Cargo Transportation: term paper</p>

	<p>method guide for students of major 1004 "Transport technologies". – К.: NAU, 2013. – 32 p.</p> <p>4.ПРАВИЛА повітряних перевезень вантажів. - Наказ міністерства транспорту України №793 від 14.10.2003. із змінами, внесеними згідно з Наказом Міністерства інфраструктури № 728 від 30.11.2012</p> <p>5.ІНСТРУКЦІЯ з організації перевезень вантажів повітряним транспортом – Наказ міністерства транспорту України № 822 від 02.11.2005.</p> <p>6.Авіаційні правила України «Порядок та умови повітряних перевезень небезпечних вантажів». – Наказ Державної авіаційної служби України №1802 від 12.11.2020.</p> <p>7.Про затвердження Порядку виконання митних формальностей на повітряному транспорті, наказ міністерства фінансів України від 03.08.2018 № 671 Зареєстровано в Міністерстві юстиції України 11 вересня 2018 р. за № 1036/32488</p>	
Location and logistics	Theory of theoretical training, laptop, mobile device (phone, tablet) with Internet connection for: communication and surveys; homework; performing tasks of independent work; passing the test (current, boundary, final control)	
Semester control, examination techniques	Examination, Course Project, Testing	
Department	Air Transportation Management Department	
Faculty	Faculty of Transport, Management and Logistics	
Lecturer(s)		<p>IVANNIKOVA VICTORIA YURIEVNA</p> <p>Position: Associate Professor</p> <p>Scientific Degree: PhD in Engineering</p> <p>Academic Status: Associate Professor</p> <p>Teacher profile:</p> <p>https://scholar.google.com.ua/citations?hl=ru&user=LYCBBIgAAAAJ</p> <p>Тел.: 044 406-70-94</p> <p>E-mail: viktiriia.ivannikova@npp.nau.edu.ua</p> <p>Location: 2.102b</p>
Originality of the subject	Author's course, teaching in English	
Link to the subject	https://er.nau.edu.ua/handle/NAU/34200	