



<p style="text-align: center;">SYLLABUS OF THE SUBJECT «PROJECT MANAGEMENT IN TRANSPORT INDUSTRY» Educational Professional Programs: «Air Transportation Management»; «Aerial Works and Services»; «Multimodal Transport and Logistics » Field of study: 27 «Transport» Speciality: 275 «Air Transport Technologies» Specialization: 275.04 «Air Transport Technologies»</p>	
Higher Education Degree	The second level (master degree)
Subject status	Academic subject of mandatory subjects cycle
Course of study	1
Semester	1
Subject volume, ECTS credits / total amount of hours	4,0/120
Language	Ukrainian, English
To be studied (study subject)	This subject is part of the theoretical basis of knowledge and skills for the study of technological disciplines for training in the field of transportation organization and transport management.
Why is it interesting and must be learned? (purpose)	The purpose of teaching the discipline is to form in students the necessary theoretical knowledge and practical skills for effective project management in various fields, adaptation and implementation of project solutions in the practical activities of transport enterprises.
What is studied? (learning results)	<ul style="list-style-type: none"> - Make effective decisions in the field of transport systems and technologies, taking into account technical, social, economic and legal aspects, generate and compare alternatives, assess the necessary resources and constraints, analyze risks; - Develop new and improve existing transport systems and technologies, define development objectives, existing constraints, efficiency criteria and scope; - Analyze and evaluate the effectiveness of supply chains and logistics centers, calculate the relevant indicators; - Manage complex technological and production processes of transport systems and technologies, including unpredictable and those that require new strategic approaches; - Analyze scientific recommendations and justify the use of modern methods of controlling the movement of vehicles (vessels); - Search for the necessary information in the scientific and technical literature, databases, other sources, analyze and objectively evaluate information in the field of transport systems and technologies and related cross-sectoral issues; - Freely discuss in state and foreign languages issues of professional activity, projects and research in the field of transport systems and technologies orally and in writing; - Make effective decisions in the field of transport systems and technologies, taking into account technical, social, economic and legal aspects, generate and compare alternatives, assess the necessary resources and constraints, analyze risks; - Communicate their knowledge, decisions and grounds for their adoption to specialists and non-specialists in a clear and unambiguous form; - Organize the work of staff, ensure their professional development and objective evaluation;

	<ul style="list-style-type: none"> - Communicate their knowledge, decisions and grounds for their adoption to specialists and non-specialists in a clear and unambiguous form; - Ensure the safety of people and the environment during professional activities and projects in the field of transport systems and technologies; - Develop and argue approaches and methods for conducting commercial, technical, social, environmental, institutional, financial and economic analysis in the development of innovation and investment projects.
How is it possible to use the gained knowledge and skills? (competencies)	<ul style="list-style-type: none"> - Ability to search, process and analyze information from various sources; - Ability to develop and manage projects; - Ability to conduct research at the appropriate level; - Ability to conduct research within a narrow specialization, identify problems, set goals and solve them using appropriate research methods; - Ability to identify and apply promising areas of modeling of transport processes; - Ability to manage traffic flows; - Ability to use specialized software to solve complex problems in the field of transport systems and technologies; - Ability to formulate, analyze technological, technical, economic and financial problems in air transport, which may be related to both commercial practice and transport operations; - Ability to apply methods of modeling and optimization to study and improve the efficiency of aviation transport systems and their management processes; - Ability to generate new ideas (creativity); - Ability to manage the reliability and efficiency of transport systems and technologies; - Ability to take into account the impact of customs procedures in the formation of transport technologies; - Ability to motivate people and move towards a common goal; - Ability to evaluate and ensure the quality of work performed; - Ability to use knowledge of the regulatory framework that provides the organization and technology of multimodal transportation, laws and principles of operation of complex systems in combination with the necessary mathematical tools to describe the parameters of transport and logistics systems; - Ability to apply modern methods of risk assessment and management of multimodal transportation.
Academic logistics	<p>Subject Content: Module № 1 "Project Management in the Transport Industry"</p> <p>Topic 1. Introduction. Fundamentals of project management.</p> <p>Topic 2. Project management system.</p> <p>Topic 3. The main forms of organizational structure of the project.</p> <p>Topic 4. Planning the timing and timing of projects.</p> <p>Topic 5. Project resource management.</p> <p>Topic 6. Formation and development of the project team.</p> <p>Topic 7. Management of communications and information support of the project.</p> <p>Topic 8. Project quality management. Risk management in projects.</p> <p>Module №2 (educational component) "Course project"</p> <p><u>Kinds of sessions:</u> lectures, laboratory classes</p> <p><u>Teaching methods:</u> explanatory-illustrative method; problem statement method; reproductive method; research method</p> <p><u>Modes of study:</u> full-time</p>
Prerequisites	The subject is based on knowledge of such subjects as: "Methodology of applied research in the field of transport technologies (by type)", "Business foreign language"
Post-requisites	The subject is the basis for the study of such subjects as: "Management in integrated transport systems", "Philosophical problems of scientific knowledge", "Freight forwarding", "Air transportation engineering", "Research practice in the field of transportation organization and management of transport (air) ", " Strategic management of special aviation enterprises ", " Organization and technology of

	multimodal transport "," Research practice in the field of multimodal transport and logistics "
Information support from the fund and repository of NAU library	<p>1. Прийняття проектних рішень: Навчальний посібник / Фещур Р. В., Кічор В. П., Якимів А. І., Тимчишин І. Є., Янішевський В. С., Лебідь Т. В., Самуляк В. Ю., Когут І. В., Шишковський С. В. – Львів: Видавництво Львівської політехніки, 2018. – 220 с.</p> <p>2. Бабаєв В.М. Управління проектами: Навчальний посібник для студентів спеціальності «Управління проектами» / Бабаєв В.М. – Харків: ХНАМГ, 2015. – 244 с.</p> <p>3. «Управління проектами»: навчальний посібник / Уклад.: Л.Є. Довгань, Г.А. Мохонько, І.П. Малик. – К.: КПІ ім. Ігоря Сікорського, 2017. – 420 с.</p> <p>4. Микитюк П. П. Управління проектами: Навч. пос. [для студ. вищ. навч. закл.] / П. П. Микитюк – Тернопіль, 2019. – 270 с.</p> <p>5. A Guide to the Project Management Body of Knowledge (PMBOKGuide). Sixth Edition. Project Management Institute, 2017. – 800 p.</p> <p>6. Воркут Т.А.. Проектний аналіз. Навчальний посібник – Київ : Укр. центр духовної культури, 2000.—440с.</p> <p>7. Батенко Л.П. Управління проектами: Навч. Посібник / Л.П. Батенко., О.А. Загородніх, В.В. Ліщинська. — К. : КНЕУ, 2005. — 231 с</p> <p>8. Gurjar N. A Forward Looking Approach to Project Management. Tools, Trends, and the Impact of Disruptive Technologies. Springer Singapore, 2017. 414 p.</p> <p>9. Lehmann Oliver F. Situational Project Management. The Dynamics of Success and Failure. Templates. Auerbach Publications, 2016. 298 p</p> <p>Information resources on the Internet</p> <p>1 Сайт розробника microsoft-project / [Електронний ресурс]. - Режим доступу: https://www.scoro.com/microsoft-project-alternative/</p> <p>2 Авторські керівництва та довідкові матеріали по роботі з продуктами microsoft-project [Електронний ресурс]. - Режим доступу: https://www.microsoft.com/uk-ua/microsoft-365/project/project-management-software</p> <p>3. Сторінка сайту МФТІ, присвячена математичному моделюванню транспортних потоків / [Електронний ресурс]. - Режим доступу: https://mipt.ru/education/chair/computational_mathematics/upload/22b/Book-arpglktefbb.pdf</p> <p>4. Сайт та бібліотека, присвячені проблемам логістики / [Електронний ресурс]. - Режим доступу: https://logists.by/</p>
Location and logistics	Classroom 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	Graded Test, Course Project, Testing
Department	Air Transportation Management Department
Faculty	Faculty of Transport, Management and Logistics

Lecturer(s)		SHEVCHUK DMYTRO OLEKHOVYCH Position: Head of the Department Scientific Degree: Doctor of Engineering Academic Status: Professor Teacher profile: https://scholar.google.com/citations?view_op=list_works&hl=ru&user=KG9yZUQAAAAJ Tel.: 044 406 -72-85 E-mail: dmytro.shevchuk@npp.nau.edu.ua Location: 2.102
Originality of the subject	Author's course, teaching in English	
Link to the subject	https://er.nau.edu.ua/handle/NAU/34200	