University of Gdańsk

Subject card

Subject name and code	Economic Analysis of Transport, PG_00199901						
Field of study	Economics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2028/2029		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
Mode of study	part-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		4.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Transport Policy and Economic Integration -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Ryszard Rolbiecki, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	10.0	10.0	0.0	6.0	0.0	26
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours	Self-study	SUM	
	Number of study hours	26		0.0	74.0	100	
Subject objectives	The main objective of the course is to familiarize students with methods and tools for assessing economic processes and phenomena in transport enterprises and their socio-economic environment. The course also aims to improve the ability to interpret and critically assess economic and financial results describing the activities of transport industry enterprises.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONL3_W07] has an advanced knowledge of the economic and financial principles of the functioning and management of economic entities and organisations as well as the legal, organisational, moral and ethical norms and rules governing the functioning of public institutions	The student lists the principles of economic analysis. The student lists the rules related to financing the activities of transport enterprises.	[SW1] oral statement/ conversation/discussion
	[EKONL3_W06] has an advanced knowledge of selected methods and tools, including statistical and econometric techniques, for describing economic agents and structures as well as social institutions and the processes taking place in them	The student is able to prepare a project in which he or she explains the causes and course of transportation processes and phenomena using appropriate research tools and methods.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/ report
	[EKONL3_U04] can predict and forecast the course of economic and social processes and phenomena	The student is able to predict the risk of deterioration of the financial condition of transport enterprises.	[SU4] test/exam - oral or written
	[EKONL3_U02] is able to use the knowledge of theory and data to analyse concrete economic and social processes and phenomena and to analyse these phenomena using methods developed in economics, finance and management sciences	The student acquires the necessary data to describe economic phenomena in transport and is able to appropriately present them in a prepared project. The student prepares a project in which they use methods and tools to assess the economic processes occurring in a transport enterprise and its environment.	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
	[EKONL3_U08] has the ability to observe, understand and analyse economic and social phenomena and processes using appropriate scientific methods	The student analyzes and evaluates phenomena in transport enterprises and their socio-economic environment.	[SU4] test/exam - oral or written
	[EKONL3_W04] knows the types of economic and social ties and the regularities governing them	The student identifies and understands the relationships between economic categories describing the activities of the transport sector.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
	[EKONL3_K01] recognises the importance of economic knowledge in identifying and solving economic problems and of consulting experts when difficulties in solving them independently	The student lists arguments proving the importance of economic and financial analyses in transport.	[SK1] oral statement/conversation/ discussion
	[EKONL3_K04] is willing to think and act in an entrepreneurial manner; adapts to new situations and conditions, takes on the challenges of creative thinking, is resilient in the face of failure, is able to identify risks and assess the risks of failure	The student prepares a project in which he identifies threats in the operations of transport companies and indicates possibilities for solving the identified problems.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report

Subject contents	1.The place of economic analysis in the decision-making system of a transport enterprise 2. Main areas of technical and economic analysis of transport 3. Methods of analyzing sales, costs and financial results of transport enterprises 4. Ratio analysis and the use of aggregate measures in assessing the financial condition of transport enterprises 5. Research on the risk of a deterioration in the financial condition of transport enterprises 6.Report/project of the economic and financial results of a selected transport company Any doubts arising in connection with the use of financial analysis tools will also be resolved during consultations.
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Test	51.0%	55.0%
Project	51.0%	25.0%
Class participation	51.0%	20.0%

Recommended reading

Basic literature

1.Higgins R.C., Koski J.L., Mitton T., (2023), Analysis for Financial Management, Published by McGraw Hill LLC, New York, https://elib.vku.udn.vn/bitstream/123456789/4253/1/2023.%20Analysis%20for%20Financial%20Manager

2. Lessambo F., (2018),Financial statements Analysis and Reporting, Cham : Springer International Publishing : Imprint: Palgrave Macmillan

3. Financial analysis and risk management data governance analytics and cycle managment (2013), editor V. Lemieux, Heidelberg: Springer

Supplementary literature

1. Klimek H.,, Rolbiecki R., (2017), Financial results of the handling and warehousing companies in polish maritime ports, in:Transport development and performance in relation to the idea of sustainable development, pt. 3, Research Journal of the University of Gdańsk. Transport Economics and Logistics, Vol. 692.
2. Rykała M., Rykała Ł. (2021), Economic Analysis of a Transport Company in the Aspect of Car Vehicle Operation, Sustainability 13(1), 427, https://www.mdpi.com/2071-1050/13/1/427
3. Rolbiecki R.,, Książkiewicz D., (2016), Business tendencies in transportation and logistics sector in Poland. "Logistyka", nr 3

eResources addresses

Example issues/ example questions/ tasks being completed	Methods of assessing technical and operational phenomena in transport. Directions and methods of financial analysis in transport enterprises Ability to identify the risk of bankruptcy of transport companies
Work placement	Not applicable

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