



## Subject card

Subject name and code	Economics analysis in TFL, PG_00056223						
Field of study	Transport and Logistics						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2024/2025		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Anna Dembicka				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	0.0	0.0	30
	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	30		5.0		40.0	75
Subject objectives	Introducing knowledge about the methods of economic analysis and making it aware of its importance in the decision-making processes of modern TSL enterprises.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W07] has a general knowledge on humanities, social and economical sciences. Knows the rules of creating the forms of personal entrepreneurship and economic activity, has knowledge on the protection of intellectual property rights and industrial property rights and copyrights		The student has knowledge of the humanities and socio-economic sciences. He has learned the principles of the formation and functioning of individual entrepreneurship, has knowledge of the protection of industrial and intellectual property and copyright.		[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
	[K6_U07] applies knowledge on humanities, social and economical science in solving problems		Taking into account the knowledge in the field of humanities, social and economic sciences, the student is able to solve specific problems. He knows the notional apparatus and the procedure for conducting economic analysis of enterprises in the TSL sector.		[SU5] Assessment of ability to present the results of task [SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject		
Subject contents	LECTURE: Economic analysis (financial, technical and economic). Economic analysis in the decision-making processes of modern TSL enterprises (operational, financial, investment). Functions of economic analysis (information and cognitive, control and diagnostic, planning). The essence of economic analysis of the enterprise - goals, types, methods, data sources of economic analysis (internal, external). Financial analysis - structure of financial statements, analysis of basic financial statements (balance sheet and profit and loss account), evaluation of profitability, efficiency of the enterprise, liquidity, debt, analysis and evaluation of revenues and costs. Discussion of the areas of economic and technical analysis. Analysis of the efficiency of the company's operation - analysis of equipment with fixed assets and their use, analysis of material supply, inventory management, material consumption, production analysis (rhythmicity, production quality, productivity, production capacity). Q (quality), C (costs), D (delivery), S (safety), M (employee morale) indicators in production process management. Analysis of employment and work efficiency, analysis of the work time economy, analysis of technical progress, analysis of sales and marketing activities. Forms of presenting the results of economic analyzes. TUTORIALS: Specifying the issues presented in the lecture + Project of economic analysis of a selected transport company (team work). Individual and group work, analysis of source documents, solving practical examples.						
Prerequisites and co-requisites	Basic knowledge of economics and financial, production and human resource management						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		60.0%	50.0%
		60.0%	50.0%
Recommended reading	Basic literature	Transport. Nowe wyzwania, red. K. Wojewódzka-Król, E. Załoga, Wydawnictwo Naukowe PWN, Warszawa 2016.  N. Grzenkowicz, J. Kowalczyk, A. Kusak, Z. Podgórski, Analiza ekonomiczna przedsiębiorstwa, Wydawnictwo Naukowe Wydziału Zarządzania Uniwersytetu Warszawskiego, Warszawa 2007.  Analiza ekonomiczna w przedsiębiorstwie, red. nauk. M. Jerzemowska, PWE, Warszawa 2018.  Z. Leszczyński, A. Skowronek-Mielczarek, Analiza ekonomiczno-finansowa firmy, Difin, Warszawa 2000.	
	Supplementary literature	proposed on an ongoing basis by the lecturer	
	eResources addresses	Adresy na platformie eNauczanie:	
	Example issues/ example questions/ tasks being completed	The basis for the analysis of the selected transport company: ECONOMIC ANALYSIS components: ECONOMIC AND TECHNICAL ANALYSIS (costs of conducted activity, human resources management, material resources management, enterprise value, marketing activity) and FINANCIAL ANALYSIS (assessment of the financial situation, assessment of the property and its sources of origin) THE PURPOSE OF THE ECONOMIC AND TECHNICAL ANALYSIS - revealing the economic effects of the implemented partial processes as well as organizational and technical solutions used at various stages of economic activity. THE PURPOSE OF FINANCIAL ANALYSIS - assessment of the company's assets and capital status and financial result. RELATIONSHIPS - financial data is a derivative of the results achieved in various fields of business activity of enterprises. ECONOMIC AND TECHNICAL ANALYSIS - focus on immediate causes FINANCIAL ANALYSIS - focus on the effects	
Work placement	Not applicable		