GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	TECHNICAL ANALYSIS, PG_00058613						
Field of study	Economic Analytics						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2024/2025		
Education level	first-cycle studies		Subject group		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	5		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Finance -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Krystian Zawadzki				
	Teachers		dr hab. inż. Krystian Zawadzki				

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	16.0	0.0	0.0	0.0	16
	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	16	10.0	74.0	100

Subject objectives	Describes techniques that allow to make investment decisions

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_W03] Knows reliable sources of information and uses advanced knowledge to explain fundamental dilemmas of the modern economy.	identifies reliable sources of obtaining information required in technical analysis	[SW1] Assessment of factual knowledge
	[K6_U06] Acquires new specialized knowledge related to the field of economic analytics by planning a personal lifelong learning strategy	acquires new knowledge necessary to analyze price fluctuations and the volume of trading in securities	[SU1] Assessment of task fulfilment

Subject contents	Dow theory of financial markets. Analysis of trends, trend channels, support and resistance lines. Linear price patterns announcing the continuation of the trend. Linear price patterns announcing a trend reversal. Japanese techniques in technical analysis. Candlestick patterns announcing the continuation of the trend. Candlestick patterns announcing a trend reversal. Elliott waves - basic principles of creating impulse waves and correction. Advanced forms of impulses and corrections in sequences 1-5 and ABC. Fibonacci numbers in internal and external retracements. ABCD up and down patterns. Oscillators: MACD, RSI,% R. Exponential, simple and weighted moving averages. Indicators used in technical analysis.

Prerequisites and co-requisites	

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Solving tasks	0.0%	30.0%
	Final assessment	60.0%	70.0%

Recommended reading	Basic literature	Murphy, J. (2017). Analiza Techniczna rynków finansowych. Warszawa: Maklerska pl. Nison, S. (2018). Świece japońskie i analiza wykresów cenowych: Maklerska pl. Kochan, K. (2020). Analiza techniczna w praktyce. Warszawa: OnePress.
	Supplementary literature	StockCharts.com - ChartSchool (internet sources)
	eResources addresses	Adresy na platformie eNauczanie: Analiza techniczna (niestacjonarne 24/25) - Moodle ID: 39650 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=39650
Example issues/ example questions/ tasks being completed	Indicate the scope of the price lifting of KGHM Polska Miedź based on Fibonacci techniques. Name single candlestick patterns that announce the continuation of the trend. Discuss the eight-wave sequence based on the assumptions of the Elliott wave theory.	
Work placement	Not applicable	

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