GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Technical Analysis, PG_00067800		
Field of study	Economic Analytics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2027/2028
Education level	first-cycle studies	Subject group	Optional subject group Subject group related to scientific research in the field of study
Mode of study	Full-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 -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor		
	Teachers		

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	30.0	0.0	0.0	0.0	45
	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	45	5.0	50.0	100

Subject objectives	Describes techniques that allow to make investment decisions

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U06] acquires specialized knowledge in the field of economic analytics, demonstrating the ability to effectively plan individual work and pursue lifelong learning.	acquires new knowledge necessary to analyze price fluctuations and the volume of trading in securities	[SU2] Assessment of ability to analyse information
	[K6_W03] is familiar with reliable sources of information and employs advanced knowledge to explain the fundamental dilemmas of the contemporary economy	identifies reliable sources of obtaining information required in technical analysis	[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge

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
	final assessment	60.0%	70.0%
	solving tasks	0.0%	10.0%
	Presentation	0.0%	20.0%

Recommended reading	Basic literature	Murphy, J. (2017). Analiza Techniczna rynków finansowych. Warszawa: Maklerska pl. Schwager, J.D. (2002). Analiza techniczna rynków terminowych. Warszawa: WIG Press. Kochan, K. (2020). Analiza techniczna w praktyce. Warszawa: OnePress.
	Supplementary literature	StockCharts.com - ChartSchool (internet sources)
	eResources addresses	Adresy na platformie eNauczanie:
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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