



## Subject card

Subject name and code	Technical Analysis, PG_00068640						
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	Part-time studies (on-line)		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	8.0	16.0	0.0	0.0	0.0	24
	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	24		5.0		71.0	100
Subject objectives	Describes techniques that allow to make investment decisions						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W03] is familiar with reliable sources of information and employs advanced knowledge to explain the fundamental dilemmas of the contemporary economy		is familiar with reliable sources of information required for technical analysis		[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
	[K6_U06] acquires specialized knowledge in the field of economic analytics, demonstrating the ability to effectively plan individual work and pursue lifelong learning.		is able to acquire new knowledge necessary for analyzing changes in prices and trading volumes of securities		[SU2] Assessment of ability to analyse information		
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 during classes		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:
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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