



Subject card

Subject name and code	TECHNICAL ANALYSIS, PG_00066538						
Field of study	Economic Analytics						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2026/2027		
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			blended-learning		
Year of study	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			5.0		
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						
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: 12.0						
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		96.0		125
Subject objectives	Describes techniques that allow to make investment decisions						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[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		
	[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			[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
Subject contents	Down 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%			50.0%		
	Presentation	0.0%			30.0%		
	Solving tasks	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 eNauczenie: Analiza techniczna - Moodle ID: 3796 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=3796
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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