



Subject card

Subject name and code	TECHNICAL ANALYSIS, PG_00065065						
Field of study	Management, Management						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2024/2025		
Education level	second-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	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Economic Analysis and 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	0.0	16.0	0.0	0.0	16
	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	16		0.0		0.0	16
Subject objectives	Mastering techniques that allow to make investment decisions.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K7_W08] has an in-depth knowledge of selected methods and techniques supporting economic decision-making processes		Student utilises the tools of technical analysis in order to make the buy/sell decisions on financial markets			[SW3] Assessment of knowledge contained in written work and projects	
	[K7_W02] has an in-depth knowledge of classical and modern management concepts and their application in the management of modern organizations of various types		Student analyses the charts of price.			[SW1] Assessment of factual knowledge	
	[K7_U02] analyses complex economic processes and phenomena using selected methods and techniques for analysing socio-economic data, and formulates their own opinions and conclusions concerning these processes and phenomena		Student distinguishes the tools of technical analysis			[SU4] Assessment of ability to use methods and tools	

Subject contents	1. Introduction to technical analysis 2. Dow Theory 3. Price formations 4. Japanese techniques 5. Fibonacci numbers 6. Elliott wave theory 7. Moving averages 8. Oscillators and indicators.											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="459 790 794 813">Subject passing criteria</th> <th data-bbox="802 790 1137 813">Passing threshold</th> <th data-bbox="1145 790 1481 813">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="459 824 794 846">performing tasks during classes</td> <td data-bbox="802 824 1137 846">0.0%</td> <td data-bbox="1145 824 1481 846">30.0%</td> </tr> <tr> <td data-bbox="459 857 794 880">final colloquium</td> <td data-bbox="802 857 1137 880">60.0%</td> <td data-bbox="1145 857 1481 880">70.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	performing tasks during classes	0.0%	30.0%	final colloquium	60.0%	70.0%
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final colloquium	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 resources)										
	eResources addresses	Adresy na platformie eNauczanie: Analiza techniczna-laboratorium - Moodle ID: 39651 https://enauzanie.pg.edu.pl/moodle/course/view.php?id=39651										
Example issues/ example questions/ tasks being completed	1. Compare charts of the Microsoft share price (NASDAQ), the yield of 10-year German bonds (10YDEY.B) and the MW40 stock index (WSE) in one window. What type of scaling will you use in this case? 2. Apply Fibonacci internal retracements on the example of a selected Polish stock index. 3. In the time frame March 2022-March 2024 for the weekly time frame, find the full Elliott wave sequence for Nidia (NASDAQ).											
Work placement	Not applicable											

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