GDAŃSK UNIVERSITY OF TECHNOLOGY

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	**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_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
	[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_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

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	Subject passing criteria	Passing threshold	Percentage of the final grade
	final colloquium	60.0%	70.0%
	performing tasks during classes	0.0%	30.0%

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://enauczanie.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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