Subject card

Subject name and code	Technical Analysis, PG_00157052		
Field of study	Finance and Accounting		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
Education level	undergraduate studies	Subject group	Obligatory subject group in the field of study
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	English English
Semester of study	5	ECTS credits	3.0
Learning profile	academic	Assessment form	
Conducting unit	Katedra Inwestycji i Nieruchomości -> Faculty of Management		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Krzysztof Szczepaniak	
	Teachers		

Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	0.0	0.0	30
	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	30	10.0	35.0	75

Subject objectives	The aim of the course is to provide students with knowledge of the tools of technical analysis of financial instruments and to prepare them for investment management based on these tools.

Learning outcomes	<table><tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr><tr><td>[FiRL3_U04] The student can forecast economic processes and phenomena in finance and accounting using advanced methods and tools.</td><td>Can forecast processes and changes in financial markets using technical analysis tools.</td><td>[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU4] test/exam - oral or written</td></tr><tr><td>[FiRL3_K03] Communication: - is able to present his view, issue in a way that others can understand - boldly (but thoughtfully) expresses his opinion, is not afraid to ask questions - is able to culturally participate in discussions - is able to give constructive criticism.</td><td>Can present a view, an issue and solutions to problems in a way others can understand. Is not afraid to ask questions and can participate culturally in discussions.</td><td>[SK1] oral statement/conversation/discussion [SK4] test/exam - oral or written [SK8] observation of student's independent or team work</td></tr><tr><td>[FiRL3_W09] The student knows the principles of formation and economic functioning of commercial and public sector organizations, their forms, phases of development, as well as the financial conditions determining their value and economic success.</td><td>He is familiar with the principles of the financial market and the determinants of the effectiveness of investments in various financial instruments.</td><td>[SW4] test/exam - oral or written [SW2] presentation/project/paper/report</td></tr><tr><td>[FiRL3_W06] The student has advanced knowledge of methods and tools, including data acquisition and analysis techniques, appropriate to management science and quality, which allow describing economic structures and institutions and the processes within and between them.</td><td>Knows the methods and tools, including techniques for obtaining and analysing data using technical analysis, specific to management science and quality to describe changes in the financial market.</td><td>[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report</td></tr><tr><td>[FiRL3_U02] The student can acquire data from various sources to analyze specific economic processes and phenomena related to finance. Is able to use information technologies.</td><td>Can extract data from a variety of sources to carry out technical analysis.</td><td>[SU2] presentation/project/paper/report [SU4] test/exam - oral or written</td></tr></table>
Subject contents	1. Introduction to technical analysis principles 2. Types of charts and trends 3. Marking trend, support and resistance lines 4. Technical formations 5. Trend changing signals 6. Indicators related to technical analysis 7. Fibonacci numbers and Elliot Waves Theory using
Prerequisites and co-requisites	
Assessment methods and criteria	<table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>Theoretical knowledge colloquium</td><td>51.0%</td><td>50.0%</td></tr><tr><td>Task-based colloquium</td><td>51.0%</td><td>50.0%</td></tr></table>
Recommended reading	<table><tr><td>Basic literature</td><td>• Pring M.J.: Technical Analysis Explained: The Successful Investor's Guide to Spotting Investment Trends and Turning Points, McGraw-Hill, 2002.</td></tr><tr><td>Supplementary literature</td><td>• Murphy J.J.: Technical Analysis of the Financial Markets: A Comprehensive Guide to Trading Methods and Applications, New York Institute of Finance S., 1998. • Nison S. Japanese Candlestick Charting Techniques, Prentice Hall, 2011.</td></tr><tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr></table>
Example issues/ example questions/ tasks being completed	
Work placement	Not applicable