

## ITEM CARD (SYLLABUS)

### Description of the course

Code course		Course name	TECHNICAL ANALYSIS		
IBF/O/I/NS/B2.41a			ANALIZA TECHNICZNA		
Language		English			
Academic Year		2024/2025			
Direction of study		International Business and Finance			
Level of education (study)		Level 1			
Profile of education (study)		General academic			
Form of study		Extramural			
Semester / semesters		6			
Belonging to a course groups		B2-Elective courses specific to the field of study			
Course status		Elective			
Form of classes, hours, ECTS points		Form of classes	Number of hours	Number of ECTS points	
		Lecture	10 [h]	4 ECTS	
		Exercises	15 [h]		
		Seminar	[h]		
Relationship of subject	with profile of education (study)	Related to conducted scientific activity in the field of economics and finance			2 ECTS
	with qualifications	-----			ECTS
	with discipline	Economics and finance			4 ECTS
Form of teaching		traditional - classes organized at the University			
The criterion for the selection of students		All students of International Business and Finance			
Unit running course		Department of Business and International Finance			
Coordinator		Dr Łukasz Zięba			
Faculty www address		http://weif.uniwersytetradom.pl			
E-mail, phone number of coordinator		l.zieba@uthrad.pl, (48) 361-74-91			

### COURSE OUTCOMES, METHODS OF TEACHING AND VERIFICATION OF THE EFFECTS OF EDUCATION

Purpose of the course:	The aim of the course is to introduce to students the basics of technical analysis from the theory to practice with data examples from various sources
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Course teaching content:	<p>The course content is related to conducted scientific research.</p> <p><b>Contents of lecture (10h):</b></p> <ol style="list-style-type: none"> <li>1. Introduction to technical analysis (W1, W2)</li> <li>2. Dow theory (W1, W2)</li> <li>3. Trend analysis (W1, W2)</li> <li>4. Chart patterns (W1, W2)</li> <li>5. Moving averages, oscillators (W1, W2)</li> <li>6. Elliot wave theory and others (W1, W2)</li> <li>7. Written work</li> </ol> <p><b>Contents of exercises (15h):</b></p> <ol style="list-style-type: none"> <li>1. Dow theory (U1, U2, U3, K1)</li> <li>2. Trend analysis (U1, U2, U3, K1)</li> <li>3. Chart patterns (U1, U2, U3, K1)</li> <li>4. Moving averages, oscillators (U1, U2, U3, K1)</li> <li>5. Elliot wave theory and others (U1, U2, U3, K1)</li> <li>6. Technical analysis – case studies and students’ work – projects and its presentation (U1, U2, U3, K1, BN)</li> </ol>
Method of teaching:	<i>instructional methods (lecture including multimedia techniques); practical methods (demonstration, analytical exercises)</i>
Grading criteria, criteria for assessing learning outcomes, method of calculating the final grade:	<p><i>The condition for passing the course is achieving all the required learning outcomes specified for the course..</i></p> <p>Lecture - evaluation based on a written work.</p> <p>Exercises - the grade is determined by the following: 50% project, 30% presentation, 20% activity in class</p>

Education effects for the course in relation to the direction effects and form of classes				Verification methods of learning outcomes (form check)	
Number of education effect	Description effects of education for the subject (PEU) Student who has completed the course (W) knows and understands/(U) is able to /(K) is ready to:	Directional learning effect (KEU)	Form of realization of teaching	Examination form	Form check
W1	Knows and understands to an advanced degree the essence and individual components of technical analysis	K_W03	Lecture	Pass with a grade	Written work
W2	Knows and understands to an advanced degree the methods and tools of technical analysis	K_W04	Lecture	Pass with a grade	Written work
U1	is able to find and correctly use data for technical analysis	K_U05	Exercises	Pass with a grade	Evaluation based on project and its presentation
U2	Is able to plan and organise work - individually or as part of a team.	K_U13	Exercises	Pass with a grade	Evaluation based on project and its presentation
U3	Is able to apply his/her knowledge of technical analysis and carry out tasks, works and projects using technical analysis and its instruments. Can apply metrics, indicators, indices and statistical data in carrying out these tasks	K_U07	Exercises	Pass with a grade	Evaluation based on project and its presentation
K1	is ready to apply the knowledge he has acquired and is ready to critically evaluate selected economic phenomena	K_K01	Exercises	Pass with a grade	Activity during course

Recommended reading, literature supplement, teaching aids
<ol style="list-style-type: none"> <li>1. Dumiter, F., C., Turcaş, F., M. (2023). Technical Analysis Applications. A Practical and Empirical Stock Market Guide, Palgrave Macmillan (<i>selected chapters, selected topics</i>)</li> <li>2. Lim M. A. (2015). The Handbook of Technical Analysis + Test Bank: The Practitioner's Comprehensive Guide to Technical Analysis, Wiley (<i>selected chapters, selected topics</i>)</li> </ol>

**3. Various websites associated with technical analysis, i.e. investing.com**

*A detailed list of additional literature, web sources and teaching aids will be provided by a teacher during the first class*

Student workload needed to achieve the assumed learning outcomes - balance of ECTS points			
Participation in classes, activities	Student's working hours [h]		
	Other hours. Contact (IGK)	Classes without a teacher – student's own work (ZBN)	Classes
Participation in Lectures/ Seminars	X	X	10[h]
Participation in Exercises/Laboratories	X	X	15[h]
Participation in the Consultation	5[h]	X	X
Preparing to lectures/ exercises/seminars Preparation for an examination	X	70[h]	X
Summary of student's workload	5[h]/0,2 ECTS	70 [h]/ 2,8 ECTS	25[h]/ 1 ECTS
Points of ECTS for subject	100 [h] / 4 ECTS		

Additional information and remarks
For students with special needs, including those with disabilities and chronic illnesses, the methods and forms of verifying learning outcomes specified above (in the course syllabus) are appropriately adjusted to meet the individual needs of these students. "The detailed rules and rights of students with special needs, including those with disabilities and chronic illnesses, regarding participation, assessment, and examinations, are specified in the Study Regulations, Study Rules, and Procedures for Ensuring Accessibility of the Educational Process for Students with Special Needs, including those with disabilities and chronic illnesses."