

Study programme**Part A) of the study programme *****Learning outcomes**

Faculty offering the field of study:	Faculty of Economic Sciences and Management
Field of study:	Finance and Accounting
Level of study:	second cycle studies
Level of the Polish Qualifications Framework:	level 7
Degree profile:	general academic
Professional degree awarded to the graduate:	magister
Allocation of the field of study within academic or artistic discipline(s), to which learning outcomes for a given field of study refer:	Discipline: - Economics and Finance (100%) Major discipline: Economics and Finance
Symbol	Upon completion the graduate achieves the learning outcomes specified below:
KNOWLEDGE (the graduate knows and understands)	
K_W01	The graduate has in-depth knowledge of Finance and its position within the system of Social Sciences as well as of the economics theory and its evolution.
K_W02	The graduate has in-depth knowledge of various types of social ties and regularities occurring between them. The graduate is able to indicate the role and importance of social responsibility in economic processes.
K_W03	The graduate has in-depth knowledge of human behaviours in an organisation at the individual, group and institutional levels.
K_W04	The graduate knows and understands modern financial analysis and forecasting methods and tools as well as their underlying regularities.
K_W05	The graduate has in-depth knowledge and investigates - from the perspective relevant to Finance - economic and social processes taking place in institutions and their environment.
K_W06	The graduate has in-depth knowledge of statistical and dynamic relationships between economic and financial structures and institutions at the national and international levels.
K_W07	The graduate has in-depth knowledge, understands and investigates - from the perspective relevant to Finance - selected systems of legal, organisational, moral and ethical standards determining the financial aspect of operation of businesses, the state and households.
K_W08	The graduate has in-depth knowledge of risk occurrence in the financial market at the national and global levels.
K_W09	The graduate has in-depth knowledge of intellectual property and copyright protection.
K_W10	The graduate knows general principles of establishing and developing forms of individual entrepreneurship using the knowledge of finance and accounting.
SKILLS (the graduate is capable of)	
K_U01	The graduate is able to analyse, interpret and explain economic phenomena and to assess economic and financial determinants of business entities.

K_U02	The graduate is able to analyse financial phenomena along with their causes and course of action and to formulate their own opinions on them as well as to postulate and verify research hypotheses.
K_U03	The graduate is able to prepare the necessary information to be applied in decision-making processes.
K_U04	The graduate is able to forecast and model complex financial phenomena, using advanced methods and quantitative tools.
K_U05	The graduate efficiently uses normative systems, standards and rules (legal, professional, ethical) in the field of Finance and Accounting to solve specific problems.
K_U06	The graduate displays the ability to use the acquired knowledge in Finance and Accounting extended by a critical analysis.
K_U07	The graduate is able to apply the acquired knowledge to run a business.
K_U08	The graduate displays the ability to understand and analyse financial phenomena, enhanced by the ability of in-depth theoretical evaluation of these phenomena in selected areas, and applies relevant research methods.
K_U09	The graduate displays advanced skills in preparing written reports and delivering oral presentations.
K_U10	The graduate is able to use specialist English in the context of Finance.
K_U11	The graduate is able to use English at the B2+ level within the scope relevant to business practice.
K_U12	The graduate is able to cooperate and work in task teams, and to assume various roles in them.
K_U13	The graduate understands the constant need to expand their own knowledge and skills and to inspire others to do so.
SOCIAL COMPETENCES (the graduate is willing to)	
K_K01	The graduate has knowledge and skills enabling them to obtain information used to solve specific problems within Finance and Accounting and to specify their hierarchy in a relevant manner.
K_K02	The graduate correctly identifies and solves dilemmas related to performing their profession.
K_K03	The graduate can think and act as an entrepreneur.

*Part B) of the study programme **

Description of the process resulting in the achievement of learning outcomes

Faculty offering the field of study:		Faculty of Economic Sciences and Management		
Field of study:		Finance and Accounting		
Level of study:		second cycle studies		
Level of the Polish Qualifications Framework:		level 7		
Degree profile:		general academic		
Allocation of the field of study within academic or artistic discipline(s), to which learning outcomes for a given field of study refer:		Discipline: Economics and Finance (100%) Major discipline: Economics and Finance		
Mode of study:		full-time programme		
Number of semesters:		four		
Number of ECTS required for the award of qualifications corresponding to the level:		120		
Total number of teaching hours:		795 hours including university lectures		
Professional degree awarded to the graduate:		magister		
The relationship between the study programme and NCU mission and strategy:		The education on the master programme in finance and accounting is based on the modern and coherent curriculum, focused on the ideas of freedom and responsibility of scientific research in the international environment. The plan of the study reflects the achievements of contemporary science in service of professional learning. After graduation the graduates will be well prepared to play a full part in the decision-making process in the integrated world economy.		
Courses/course modules along with expected learning outcomes				
Course module	Course	Expected learning outcomes	Forms and methods of teaching ensuring the achievement of learning outcomes	Methods of verifying and assessing expected learning outcomes achieved by the student

Module: general education	Business English for Finance	<p>U01: communicate on specialist topics with diverse audiences</p> <p>U02: lead the debate</p> <p>U03: use a foreign language at the B2 + level of the CEFR and a higher degree of specialist terminology</p> <p>K_U10 - The graduate is able to use specialist English in the context of Finance.</p> <p>K_U10 0 The graduate is able to use English at the B2+ level within the scope relevant to business practice.</p>	Cognitive and communicative method - using various media and diverse forms of student work.	<p>Detailed methods and assessment criteria will be presented in the class at the beginning of a given stage of learning.</p> <p>Examination - U01, U03</p> <p>- The exam checks the knowledge of a foreign language in the following areas: listening comprehension, reading comprehension, specialist terminology, speaking</p> <p>- The exam consists of the written 80% and the oral 20%</p> <p>- Valid grading scale:</p> <p>60 - 67% = 3.0 satisfactory</p> <p>68 - 75% = 3.5 satisfactory +</p> <p>76 - 83% = 4.0 good</p> <p>84 - 91% = 4.5 good +</p> <p>92 - 100% = 5.0 very good</p> <p>- the condition for admission to the exam is the completion of the language course</p> <p>Speaking - U02</p> <p>Tests - U01, U03</p>
	University lectures	depends on the chosen lecture	depends on the chosen lecture	depends on the chosen lecture
	Occupational safety, Health and Ergonomics	Moodle course		

	Monetary and Budgetary Policy	<p>W1: The graduate has in-depth knowledge of monetary policy of the central bank as well as budgetary policy of the government and its position within the system of Social Sciences as well as of the economics theory and its evolution. K_W01</p> <p>W2: The graduate has in-depth knowledge of statistical and dynamic relationships between monetary and budgetary policies and financial structures and institutions at the national and international levels. K_W06.U1: The graduate is able to analyse monetary and budgetary phenomena along with their causes and course of action and to formulate their own opinions on them as well as to postulate and verify research hypotheses. - K_U02</p> <p>U2: The graduate is able to use specialist English in the context of Finance - K_U10. The graduate understands the constant need to expand his own knowledge of the specifics and interactions between monetary and budgetary aspects of financial policy to be able to use it for economic analysis - K_U13</p>	<ul style="list-style-type: none"> - presentation - informative / conventional lecture - problem lecture 	<p>Written examination in the form of open-ended (narrative) questions or oral examination (++) . 50% is required to pass the course: W1, W2, U1</p> <p>Checking the implementation of the effects:</p> <p>"+++" to the full extent</p> <p>"++" to a great extent</p> <p>"+" partially</p>
Module: Basic subjects	Advanced Managerial Accounting	<p>W1: The student knows and understands at an advanced level financial aspects (theory and practice) of management in economic units - K_W04, U1: The student is able to prepare the necessary information used in decision-making processes - K_U03 , K1: The student is able to think analytically, obtain information to solve specific problems in the field of finance and accounting - K_K01.</p>	<p>Information lecture, problem solving, discussion, group work</p>	<p>Written exam – W1. Written colloquium - U1</p> <p>Activity during classes - K1</p> <p>The exam takes the form of a multiple choice test. It consists of 30-40 questions and short tasks to be solved. Each correct answer is 1</p>

	Finance and Financial Market	<p>The graduate</p> <p>W1: has knowledge of functioning and components of the financial market K_W01</p> <p>W2: has knowledge and investigates processes taking place in financial institutions and their environment K_W05, U1: The graduate displays advanced skills in preparing presentations about financial instruments, institutions and the processes on the financial market and K_U09</p> <p>U2: understands the constant need to expand their own knowledge about the changes on the financial market K_U13, K1: has knowledge and skills enabling them to obtain information connected with financial instruments and the financial market participants K_K01</p>	<p>- informative lecture – Power Point presentation of theoretical issues and practical examples. Exploratory teaching methods:</p> <p>- practical – solving of practical cases, project/presentation, discussion, group work, case study.</p>	<p>Assessment methods:</p> <p>Written exam - single choice test. The test contains approx. 20 questions. The successful student must have >50% of correct answers. Lecture – Written exam – W1, W2, Assessment criteria:</p> <p>fail – <0; 50%)</p> <p>satisfactory – <50; 60%)</p> <p>satisfactory plus – <60; 70%)</p> <p>good – <70; 80%)</p> <p>good plus – <80; 90%)</p> <p>very good – <90; 100%)</p> <p>Exercises – projects/presentations, activity – W2, U1, K1</p> <p>Assessment criteria:</p> <p>fail – <0; 50%)</p> <p>satisfactory – <50; 60%)</p> <p>satisfactory plus – <60; 70%)</p> <p>good – <70; 80%)</p> <p>good plus – <80; 90%)</p> <p>very good – <90; 100%)</p>
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	Ethics in finance	<p>W1: Student understands the causes and evolution of management processes towards corporate social responsibility – K_W02</p> <p>W2: Student understands the importance of ethics in the financial market and the principles of sustainable development – K_W07, U1: Student is able to analyze issues related to the activities of entities on the financial market in the context of ethics and corporate social responsibility – K_U02, U2: Student develops skills in preparing presentations, presenting and defending its own points of view K_U09, K1: Student is able to obtain information related to the functioning of the financial market in the ethical context and the principles of sustainable development – K_K01</p>	<p>information lecture - conventional lecture - problem lecture - case studies</p>	<p>Lecture: - preparation of a written study - W1, W2, U1 (up to 50 points) - discussion on the theses and views from the study with the teacher - K1 (up to 50 points) 80-100 - Very good (5.0) 70-79 points - Good plus (4.5) 60-69 points - Good (4.0) 55-59 points - Satisfying plus (3.5) 50-54 points - Satisfying (3.0) 50< points - Unsatisfying (2.0)</p>
	Advanced Macroeconomics	<p>W1: Student has knowledge about processes taking place in the monetary sphere of the global economy – K_W01</p> <p>W2: Student understands problems of economic policy in the open economy – K_W02, W3: Students will gain a good understanding of the motives behind the behaviour of international financial market participants and their effects - K_W03, U1: Student has the ability to apply various theoretical concepts to analyze the effects of using macroeconomic policy instruments in an open economy – K_U01, U2: Student is well prepared to prepare short analyses regarding selected problems of international economy – K_U09, K1: Student is well prepared to perceive dependencies and to draw conclusions correctly using the principles of logic – K_K01</p>	<p>Problem lecture with presentation of basic analytical sequences. Practical exercises devoted to practicing the skills of using theoretical achievements of international economics to solve problems describing certain phenomena in economic practice.</p>	<p>Lecture: - written examination - W1 (K_W01), W2 (K_W02), U1 (K_U01) 18-20 points (90-100%) - Very good (5.0) 17 points - Good plus (4.5) 15-16 points - Good (4.0) 14 points - Satisfying plus (3.5) 11-13 points - Satisfying (3.0) 10< points - Unsatisfying (2.0)</p> <p>Excercises: - 1 test - W1 (K_W01), W2 (K_W02), U1 (K_U01), K1 (K_K01) - activity</p>

<p>Module: Main course subjects</p>	<p>Master's Seminar/Diploma Master thesis</p>	<p>W1. Gaining knowledge on the discipline of finance in the area used in the thesis K_W01. W2. Gaining knowledge of modern methods and tools used when writing a thesis K_W06. W3. Gaining knowledge in the field of intellectual property and copyrights K_W09, U1. Acquiring the ability to analyze, interpret and explain economic phenomena, considering the economic and financial conditions K_U01. U2. Developing the ability to analyze the causes, terms and effects of financial phenomena, to formulate simple research hypotheses and to verify them K_U02. U3. Acquiring the ability to create typical written works and preparation of speeches in English in the field finance and accounting K_U09, K1. Actively participates in the seminar discussion and uses suggestions proposed during the discussion K_K02. K2. In an independent and critical way supplements the knowledge and skills needed to write a thesis K_K02. K3. Can obtain information necessary to verify the research hypotheses in the field of finance and accounting and achieve the assumed goal of the work K_K03.</p>	<ul style="list-style-type: none"> - biographical, - exchange of ideas, - classic problem method, - observations, - case studies, - seminar discussion 	<p>The basis for completing individual semesters is: Semester I - selection of the topic and preparation of the work outline, Semester II - developing two chapters of work Semester III - preparation and submission of a complete thesis. completion of the seminar (submission of the thesis) W1, W2, W3, U1, U2, U3 job review W1, U2, U3, K1 job evaluation W3, U2, U3, K1 MA exam U1, U2, U3</p>
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	International Economic Law	<p>W1: has advanced knowledge of rules and organizational framework creating legal business environment for international finance and trade K_W06</p> <p>W2: knows the requirements for conducting business activity in international finance and trade K_W07</p> <p>W3: is familiar with international intellectual property rights K_W9, U1: can find and interpret rules of international law that are in force in the international business environment K_U03</p> <p>U2: can analyze the roles that multilateral institutions play in regulating crucial international economic relations K_U05, K1: understands the significance of updating knowledge about law that is in force in the international business environment K_K01</p>	<ul style="list-style-type: none"> - informative lecture, - typical lecture, - case studies and projects, - legal norms interpretation 	<p>W1, W2, W3 – written examination +++</p> <p>U1, U2 – case studies/problem solving +, project presentation +++</p> <p>K1 – case studies/problem solving +, project presentation +++, activity +</p> <p>Assessment criteria: Lecture – written exam (3-5 questions to describe, evaluation according to the score obtained: 15-14,5 pts – very good; 14 -13,5 pts. – good plus; 13-12,5 pts – good; 12-11,5 pts – satisfactory plus, 11-10 pts – satisfactory, less than 10 pts – fail</p> <p>Exercises - projects (problem solving/case studies) and its presentation in groups (upgrading is possible due to activity during classes)</p>
	Taxation and tax law	<p>W1: The graduate has in-depth knowledge, understands and investigates international taxation system- K_W07, U1: The graduate efficiently uses provisions of law to solve specific tax problems - K_U05</p>	<p>Expository teaching methods:</p> <ul style="list-style-type: none"> - informative lecture, description – Power Point presentation of theoretical issues and practical examples. <p>Exploratory teaching methods:</p> <ul style="list-style-type: none"> - practical – solving of practical cases, discussion 	<p>Assessment methods: test and case study</p>

	Financial Econometrics	<p>W1: knows market efficiency concept and its consequences - K_W04 W2: identifies and knows estimation methods for volatility models - K_W06 W3: is familiar with applications of financial econometrics models in risk analysis K_W08, U1: evaluates market efficiency level - K_U04 U2: estimates and interprets volatility models from the forecasting perspective - K_U08 U3: calculates risk measures based on financial econometrics models (VaR, ES) and can evaluate them K_U04, K1: is ready to acquire data for financial markets analysis - K_K01</p>	<p>Presentation lecture, problem lecture, classes in a computer laboratory, solving practical problems</p>	<p>W1 written exam +++ W2 written exam +++ W3 written exam +++ U1 graded credit in a computer laboratory +++ U1 project ++ U2 graded credit in a computer laboratory +++ U3 grade credit in a computer laboratory ++ K1 observation +++</p>
	Capital market law	<p>W01: Has knowledge and understands the rules of functioning of financial market institutions, with particular emphasis on legal regulations (K_W07), U01: Can use various standards, especially legal ones, to analyze and formulate conclusions regarding selected phenomena occurring on the financial market (K_U05), K01: Has the knowledge and skills to solve problems in the area of functioning of the financial market (K_K01)</p>	<p>Lecture, talk, case presentations</p>	<p>Test – W01, U01 Activity – K01 Written credit in the form of open questions. 60% is required to pass the course. The grade may be increased based on the student's activity in the classroom, as well as additional extracurricular tasks performed</p>

	Corporate Finance	<p>W1: Student knows the concept, ideas and rules of financial management in the corporation - K_W05.</p> <p>W2: Student knows an influence of the external and internal factors on the financial condition of the corporation - K_W05.</p> <p>W3: Student knows the relations and connections between various items of the balance sheet, income statement and cash flows statement of the corporation - K_W04, U1: Student can assess and evaluate financial condition of the company - K_U01.</p> <p>U2: Student can calculate, use and evaluate financial ratios in the corporation - K_U03, K1: Student tends to enlarge its knowledge related to corporate management K_K01.</p> <p>K2: Student searches for new and creative solutions of the financial problems of the corporation K_K03.</p> <p>K3: Student develops skills of working in a group K_K03.</p>	Power Point presentation, case study solving, exercises solving, discussion	<p>Written exam – W1, W2, W3</p> <p>Excercises – U1, U2</p> <p>Class activities – K1, K2, K3.</p> <p>Assessment criteria:</p> <p>Exam (totally 20 points):</p> <p>Fail - less than 10 pts (<50%)</p> <p>satisfactory – 10-13 pts (50-65%)</p> <p>satisfactory plus - 14 pts (70%)</p> <p>good – 15-17 pts (75-85%)</p> <p>good plus - 18 pts (90%)</p> <p>very good- 19-20 pts (95-100%)</p> <p>Exercises (totally 10 points):</p> <p>Fail - less than 5 pts (<50%)</p> <p>satisfactory – 5-6,5 pts (50-65%)</p> <p>satisfactory plus - 7 pts (70%)</p> <p>good – 7,5-8,5 pts (75-85%)</p> <p>good plus - 9 pts (90%)</p> <p>very good- 9,5-10 pts (95-100%)</p>
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	<p>Advanced Accounting</p> <p>Financial</p>	<p>W1: Student is familiar with advanced terms in scope of financial accounting (related to assets, liabilities and result items) – K_W01. U1: Student can value and record economic operations related to advanced selected positions of assets and liabilities, as well as results items. – K_U06. K1: Student tends to enlarge the knowledge related to advanced financial accounting – K_K01.</p>	<p>- informative lecture, description – Power Point presentation of theoretical issues and practical examples, case study. Exploratory teaching methods: - practical – solving of practical cases, discussion, group work.</p>	<p>Lectures: W1: written exam – multiple choice test of 20 questions +++ Fail (2) – less than 12 points Satisfactory (3) – 12 points Satisfactory plus (3+) – 13-14 points Good (4) – 15-16 points Good plus (4+) – 17-18 points Very good (5) – 19-20 points Exercises: U1: written test – valuation and booking of economic operations on T-accounts and preparation of appropriate reports from them +++ Fail (2) – below 60% Satisfactory (3) – below 68% Satisfactory plus (3+) – below 76% Good (4) – below 84% Good plus (4+) – below 92% Very good (5) – below 100% K1: continuous evaluation +++ - activity – K1 - attendance – K1 K1: attendance and activity during exercises. In case of not sufficient attendance (less than 60% of all exercise hours) and activities, student will have to prepare a paper on given subject</p>
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Advanced Financial Statement Analysis	W1: Student knows the advanced tools for analyzing financial statements. - K_W04, U1: Student is able to properly select and analyze reporting information. - K_U03, K1: Student is able to proper evaluation relevant reporting information to solve of operational and decision-making problems. - K_K01	traditional lecture, seminar lecture, Power Point presentation, case study analysis, discussion	Written exam – W1 Exercices – U1 Class activities – K1 Assessment criteria: < 0% - 50%) – 2 <50% - 60%) – 3 <60% - 70%) – 3,5, <70% - 80%) – 4, <80% - 90%) – 4,5 <90% - 100%> – 5
World Economy Analysis and Economic Policy	W1: The graduate has in-depth knowledge of world economy and its place in social sciences (K_W01) W2: The graduate has advanced knowledge of different theoretical approaches to economic policy and its evolution (K_W01), W3: The graduate has in-depth knowledge of the relationships between human behavior and sustainable development goals for the world economy (KW03), U1: The graduate can analyze, interpret, and explain economic phenomena in the world economy and to suggest relevant economic policies (K_U01) U2: The graduate can cooperate and work in task teams when preparing the presentation about important world economy problems (K_U12), K1: The graduate has knowledge and skills enabling them to obtain information used to solve specific problems of the world economy (K_K01).	Expository teaching methods: - informative lecture with multimedia presentations, - discussion, - additional teaching materials.	Assessment methods: - written examination - W1, W2 - oral examination (presentation) - W1, U1, U2, K1 Assessment criteria: - written examination max 5 points - presentation in groups max 5 points Final grade: average (written examination and presentation) fail- (0-60 %) satisfactory (61-68%) satisfactory plus (69-76%) good (77-84%) good plus (85-92%) very good (93-100%)

	Bank Management	<p>W1: Student is familiar with fundamental terms in scope of banking and bank management (related to institutions, settlements, instruments) - K_W01, K_W03.</p> <p>W2: Students recognizes regulations and laws of functioning of banks in domestic as well as international markets - K_W01, K_W10.</p> <p>W3: Students knows the field of operations, tasks and the role of banks - K_W05, U1: Student can evaluate accuracy of using bank instruments and products accordingly to the needs of governments, companies and non-financial customers - K_U01.</p> <p>U2: Student can calculate, use and evaluate financial ratios in banks - K_U03, K_U07, K1: Student tends to enlarge the knowledge related to bank management - K_K01.</p> <p>K2: Student searches for new and creative solutions of the financial problems of banks - K_K02, K_K03.</p> <p>K3: Student is open to propose and implement new, creative concepts and solutions in scope of bank management - K_K03.</p>	Power Point presentation, case study presentation, discussion	<p>Written exam – W1, W2, W3, U1, U2,</p> <p>Discussion in class – K1, K2, K3.</p> <p>Assessment criteria:</p> <p>Exam (totally 20 points):</p> <p>Fail - less than 10 pts (<50%)</p> <p>satisfactory – 10-13 pts (50-65%)</p> <p>satisfactory plus - 14 pts (70%)</p> <p>good – 15-17 pts (75-85%)</p> <p>good plus - 18 pts (90%)</p> <p>very good- 19-20 pts (95-100%)</p>
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Specialisation module: Corporate finance and accounting	Financial Risk Management	<p>W1: has knowledge of identify and measuring risk - K_W08</p> <p>W2: has knowledge of risk management techniques - K_W08, U1: can analyse financial phenomena along with their causes and course of action and to formulate their own opinions on them - K_U02</p> <p>U2: can analyse financial phenomena and applies relevant research methods - K_U08, K1: can solve specific problems within Finance and Accounting - K_K01</p>	<p>Expository teaching methods:</p> <p>- informative lecture with presentation and examples.</p> <p>Exploratory teaching methods:</p> <p>- exercises solving,</p> <p>- project work,</p> <p>- practical.</p>	<p>Assessment methods:</p> <p>- written examination – W1, W2</p> <p>- test and solving chosen problems – U1, U2</p> <p>- activity – K1</p> <p>W1 – written exam +++ test and solving chosen problems+</p> <p>W2 – written exam++ test and solving chosen problems +++</p> <p>U1 – test and solving chosen problems +++</p> <p>U2 – test and solving chosen problems +++</p> <p>K1 – observation ++</p>
	Accounting for Financial Instruments	<p>W1: Student identifies, recognizes, measures and disclosures financial instruments. - K_W08, U1: Student is able to properly select and analyze information about financial instruments. - K_U03, K1: Student is able to gather relevant information about financial instruments, the proper evaluation of which will enable the solution of operational and decision-making problems. - K_K01</p>	<p>traditional lecture, seminar lecture, Power Point presentation, case study analysis, discussion</p>	<p>Written test – W1</p> <p>Excercises – U1</p> <p>Class activities – K1</p> <p>Assessment criteria:</p> <p>< 0% - 50%) – 2</p> <p><50% - 60%) – 3</p> <p><60% - 70%) – 3,5,</p> <p><70% - 80%) – 4,</p> <p><80% - 90%) – 4,5</p> <p><90% - 100%> – 5</p>

	Corporate Financial Statements	<p>W1: has in-depth knowledge and investigates - from the perspective relevant to finance and Accounting - economic processes taking place in institutions and their environment presented in financial statements – K_W05, U1: is able to prepare the necessary information in the form of financial statement to be applied in decision-making processes – K_U03, K1: has knowledge and skills enabling to obtain and use the information presented in financial statements – K_K01</p>	<p>Expository teaching methods: - informative lecture, description – Power Point presentation of theoretical issues and practical examples. Exploratory teaching methods: - practical – solving of practical cases/ exercises concerning financial statements.</p>	<p>Assessment methods: - written examination – U1 - test – W1 - activity – K1 - attendance – K1 Assessment criteria: Lecture: written test containing 15 open and closed questions. W1 - 15 questions - exam +++ Tutorials: Written examination containing practical cases that cover U1. U1 – written examination "+++" K1 – Attendance and activity during tutorials. In case of not sufficient attendance (less than 60% of all exercise hours) and activity student will have to prepare a paper on a given subject. fail- (2) less than 60 % satisfactory- (3) 60% ≤ X < 68% satisfactory plus- (3+) 68% ≤ X < 76% good – (4) 76% ≤ X < 84% good plus- (4+) 84% ≤ X < 92% very good- (5) 92 % ≤ X</p>
	Price Strategies	<p>W1: The graduate knows and understands modern tools in the field of price strategies as well as their underlying regularities - K_W04, U1: The graduate is able to prepare the necessary information to be applied in decision-making processes in the field of price strategies. - K_U03, K1: The graduate has knowledge and skills enabling them to obtain information used to solve specific problems within Finance and Accounting</p>	<p>Informative lecture – Power Point presentation of theoretical issues and practical examples</p>	<p>W01: single choice test +++ U01: tasks to solve +++ K01: continuous evaluation +++</p>

		and to specify their hierarchy in a relevant manner - K_K01		
	Property Insurance	W1: The graduate has in-depth knowledge of risk occurrence in the market.- K_W08, U1: The graduate is able to prepare the necessary information to be applied in insurance decision-making processes. - K_U03	Lecture presentations and conversations including: discussions	EXAM – W01, U01, - very good (5.0) – from 91% to 100%; - good plus (4.5) – from 81% to 90%; - good (4.0) – from 71% to 80%; - satisfactory plus (3.5) – from 61% to 70%; - satisfactory (3.0) – from 51% to 60%; - fail – from 0% to 50%.

	EU Projects	<p>W1: has knowledge of the essence, objectives, tools and conditions of cohesion policy (K_W02); W2: understands the role of the cohesion policy in the implementation of the EU's general economic strategy (K_W02). U1: is able to develop a project description for the preparation of the grant application (K_U02). K1: identifies solutions aimed at improving the competitiveness and development of public and private organizations, for which it is possible to raise funds from EU (K_K01); K2: can communicate and cooperate with other students in group (K_K01).</p>	<p>Observation/demonstration teaching methods: -display (multimedia presentation). Expository teaching methods: - informative lecture, - discussion. Exploratory teaching methods: - case study, - practical, - project work.</p>	<p>Assessment methods: - written examination (test) - W1, W2, - project - U1, K1 - observation -K2. Assessment criteria: 2/fail - [0%-50%] of the possible number of points, 3/satisfactory - [50%-60%] of the possible number of points, 3+/satisfactory plus - [60%-70%] of the possible number of points, 4/good - [70%-80%] of the possible number of points, 4+/good plus - [80%-90%] of the possible number of points, 5/very good - [90%-100%] of the possible number of points.</p>
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	<p>Advanced Accounting</p> <p>Corporate</p>	<p>W1: Student is familiar with advanced terms in scope of corporate accounting (related to assets, liabilities and result items) – K_W01. U1: Student can value and record economic operations related to advanced selected positions of assets and liabilities, as well as results items. – K_U06. K1: Student tends to enlarge the knowledge related to advanced corporate accounting – K_K01.</p>	<p>Expository teaching methods: - informative lecture, description – Power Point presentation of theoretical issues and practical examples, case study. Exploratory teaching methods: - practical – solving of practical cases, discussion, group work</p>	<p>Lectures: W1: written exam – multiple choice test of 20 questions +++ Fail (2) – less than 12 points Satisfactory (3) – 12 points Satisfactory plus (3+) – 13-14 points Good (4) – 15-16 points Good plus (4+) – 17-18 points Very good (5) – 19-20 points Exercises: U1: written test – valuation and booking of economic operations on T-accounts and preparation of appropriate reports from them +++ Fail (2) – below 60% Satisfactory (3) – below 68% Satisfactory plus (3+) – below 76% Good (4) – below 84% Good plus (4+) – below 92% Very good (5) – below 100% K1: continuous evaluation +++ - activity – K1 - attendance – K1 K1: attendance and activity during exercises. In case of not sufficient attendance (less than 60% of all exercise hours) and activities, student will have to prepare a paper on given subject.</p>
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	Innovations in Finance	<p>W1: The graduate has in-depth knowledge of Digital finance and its position within the system of Social Sciences and its evolution. - K_W01, U1: The graduate efficiently uses normative systems, standards and rules (legal, professional, ethical) in the field of innovation in finance - K_U06</p> <p>U2: The graduate displays the ability to understand and analyse financial phenomena in the area of digital finance. - K_U08</p>	<p>informative lecture (conventional) lecture conversational lecture case study</p>	<p>Written examination (test) – W01, U01, U02 Test - types of questions: 1) true/false, 2) matching, 3) short answer 4) gap filling Notes and criteria: 3.0 – 51%-59,9%; 3.5 – 60%-69,9%; 4.0 – 70%-79,9%; 4.5 – 80%-89,9%; 5.0 – 90%-100%</p>
	Modern Banking and Payments	<p>W1: The graduate has in-depth knowledge of FinTech sector development and its position within the financial system and the economic theory and its evolution K_W01. W2: The graduate has in-depth knowledge, understands and investigates - from the perspective relevant to the FinTech sector - legal, organisational, technical standards determining the digital financial aspect of the operation of businesses K_W07. U1: The graduate can analyse, interpret, and explain digital banking and payment services markets and assess economic and financial determinants of FinTech development K_U01</p> <p>U2: The graduate displays the ability to understand and analyse the FinTech development process, enhanced by the ability of in-depth theoretical evaluation of these phenomena in selected areas, and applies appropriate research methods K_U08.</p>	<p>lecture: informative (conventional), conversational, problematic, multimedia presentation prepared by the lecturer, introductory talk, discussion, film screening, presentation of payment devices and authorisation; exercises: a paper prepared by the student, case studies, SWOT, discussion.</p>	<p>W01 - written exam W02 - written exam U01 - presentation U02 - written test, discussion</p>

	Corporate Financing Strategies	W1: Student knows the methods of identifying and planning the financing strategy of the corporate, U1: Student is able to determine, on the basis of the company's financial statements, what financial strategy was implemented by the corporate- K_U01, K1: Student is prepared to expand his knowledge related to the finance of the company - K_K03	- prezentacja multimedialna, - case study, - wykład informacyjny, - wykład problemowy.	Written exam - open and closed questions. <50% - 60%) - satisfactory (3) <60% - 70%) - satisfactory plus (3+) <70% - 80%) - good (4) <80% - 90%) - good plus (4+) <90% - 100%> - very good (5)
	Business Plan	W01: The graduate knows and understands modern financial analysis and forecasting methods and tools as well as their underlying regularities - K_W04, U01: The graduate is able to analyse, interpret and explain economic phenomena and to assess economic and financial determinants of business entities - K_U01, K01: The graduate has knowledge and skills enabling them to obtain information used to solve specific problems within Finance and Accounting and to specify their hierarchy in a relevant manner - K_K01	Expository teaching methods: - informative lecture – Power Point presentation of theoretical issues and practical examples. Exploratory teaching methods: - practical – solving of practical cases, project, discussion, group work	Lecture: W01: exam - single choice test +++ Classes: U01: tasks to solve +++ K01: continuous evaluation +++
Specialisation module: Financial markets and institutions	Insurance Market	W1: The graduate has in-depth knowledge of risk occurrence in the market.- K_W08, U1: The graduate is able to prepare the necessary information to be applied in insurance decision-making processes. - K_U03, K1: The graduate can act as an entrepreneur. - K_K03	1. Lecture including: presentations and conversations and discussions 2. Practical classes including: case studies, students' projects and presentations, reading activities, conversations and discussions	EXAM – W01, K01, - very good (5.0) – from 91% to 100%; - good plus (4.5) – from 81% to 90%; - good (4.0) – from 71% to 80%; - satisfactory plus (3.5) – from 61% to 70%; - satisfactory (3.0) – from 51% to 60%; - fail – from 0% to 50%. Essay – K01, U01

	Financial Investments and Risk Management	<p>W1: is acquainted with types of financial instruments and how they work - K_W08 W2: has knowledge of identify, measuring and risk management techniques - K_W08, U1: can analyse financial phenomena along with their causes and course of action and to formulate their own opinions on them - K_U02 U2: can analyse financial phenomena and applies relevant research methods - K_U08, K1: can solve specific problems within Finance and Accounting - K_K01</p>	<p>Expository teaching methods: - informative lecture with presentation and examples. Exploratory teaching methods: - exercises solving, project work, - practical.</p>	<p>Assessment methods: - written examination – W1, W2 - test and solving chosen problems – U1, U2 - activity – K1</p> <p>W1 – written exam +++ test and solving chosen problems+ W2 – written exam+++ test and solving chosen problems +++ U1 – test and solving chosen problems +++ U2 – test and solving chosen problems +++ K1 – observation ++</p>
	Development of Start-ups	<p>W1: The graduate knows general principles of development of start-ups using the knowledge of finance – K_W10, U1: The graduate has the ability to obtain and analyze information that may be useful in running a business – K_U07</p>	<p>informative lecture (conventional) lecture conversational lecture case study presentation</p>	<p>The condition for admitting a written test is passing the presentation. Written test with open questions Notes and criteria: 3.0 – 51%-59,9%; 3.5 – 60%-69,9%; 4.0 – 70%-79,9%; 4.5 – 80%-89,9%; 5.0 – 90%-100% Written test – W1, U1 Presentation – W1, U1</p>

	<p>Financial Crises</p>	<p>W1: The graduate has in-depth knowledge of statistical and dynamic relationships between economic and financial structures and institutions at the national and international levels (K_W06). W2: The graduate has in-depth knowledge, understands and investigates - from the perspective relevant to finance - selected systems of legal, organisational, moral and ethical standards determining the financial aspect of operation of businesses, the state and households (K_W07). W3: The graduate has in-depth knowledge of risk occurrence in the financial market at the national and global levels (K_W08). U1: has the ability to critically analyze the complex reasons for the financial crises and interrelations between them, the economy, financial institutions and the government (K_U01). U2: The graduate is able to analyse financial crises along with their causes and course of action and to formulate their own opinions on them as well as to postulate and verify research hypotheses (K_U02). U3: The graduate displays the ability to use the acquired knowledge in finance and Accounting extended by a critical analysis (K_U04). U4: The graduate displays the ability to understand and analyse financial phenomena, enhanced by the ability of in-depth theoretical evaluation of financial crises, and applies relevant research methods (K_U08), K1: The graduate has knowledge and skills enabling them to obtain information used to solve specific problems related to financial crises and their economic impact within Finance and Accounting and to specify their hierarchy in a relevant manner (K_K01).</p>	<p>informative and participatory lectures, discussion sessions, multimedia presentations, practical.</p>	<p>Assessment methods: - written examination- W1, W2, W3, K1 +++ K2 ++, U1, U2, U3, U4 ++ Assessment criteria: Lecture final written examination (test): fail- (up to 60%) satisfactory- (60-70%) satisfactory plus- (71-80%) good (81-90%) good plus (91-95%) very good (96-100%)</p>
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		<p>K2: The graduate correctly identifies and solves dilemmas related to financial crises and performing their profession (K_K02).</p>		
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	Digital Transformation in Finance	<p>W1: The graduate has in-depth knowledge and investigates - from the perspective relevant to Digital finance - economic and social processes taking place in institutions and their environment. - K_W05, U1: The graduate efficiently uses normative systems, standards and rules (legal, professional, ethical) in the field of Digital Finance - K_U05</p> <p>U2: The graduate displays advanced skills in preparing written reports and delivering oral presentations in English on Digital Finance. - K_U10</p>	<p>informative lecture (conventional) lecture conversational lecture case study</p>	<p>test - types of questions: 1) true/false, 2) matching, 3) short answer 4) gap filling</p> <p>Notes and criteria:</p> <table border="0"> <tr> <td>3.0</td> <td>–</td> <td>51%-59,9%;</td> </tr> <tr> <td>3.5</td> <td>–</td> <td>60%-69,9%;</td> </tr> <tr> <td>4.0</td> <td>–</td> <td>70%-79,9%;</td> </tr> <tr> <td>4.5</td> <td>–</td> <td>80%-89,9%;</td> </tr> <tr> <td>5.0</td> <td>–</td> <td>90%-100%</td> </tr> </table> <p>Written examination (test)– W01 Colloquium – W01, U01</p>	3.0	–	51%-59,9%;	3.5	–	60%-69,9%;	4.0	–	70%-79,9%;	4.5	–	80%-89,9%;	5.0	–	90%-100%
3.0	–	51%-59,9%;																	
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4.0	–	70%-79,9%;																	
4.5	–	80%-89,9%;																	
5.0	–	90%-100%																	
	Digital Banking and Payment System	<p>W01 : The graduate has in-depth knowledge of FinTech sector development and its position within the financial system and the economic theory and its evolution K_W01, W02 : The graduate has in-depth knowledge, understands and investigates - from the perspective relevant to the FinTech sector - legal, organisational, technical standards determining the digital financial aspect of the operation of businesses K_W07, U01: The graduate can analyse, interpret, and explain digital banking and payment services markets and assess economic and financial determinants of FinTech development K_U01.</p> <p>U02: The graduate displays the ability to understand and analyse the FinTech development process, enhanced by the ability of in-depth theoretical evaluation of these phenomena in selected areas, and applies appropriate research methods K_U08.</p>	<p>lecture: informative (conventional), conversational, problematic, multimedia presentation prepared by the lecturer, introductory talk, discussion, film screening, presentation of payment devices and authorisation; exercises: a paper prepared by the student, case studies, SWOT, discussion.</p>	<p>W01 - written exam W02 - written exam U1 - presentation U2 - written test, discussion</p>															

	International Financial Markets	W01: Has knowledge and understands the principles of functioning of financial market institutions and instruments K_W07 , U01: He can use the acquired knowledge to analyze and formulate conclusions regarding selected phenomena occurring on the financial market K_U06, K01: Has the knowledge and skills to solve problems in the area of functioning of the financial market K_K01	Lecture, talk, case presentations	Written exam – W01, U01 Activity – K01 Written exam in the form of open questions. 60% is required to pass the course. The grade may be increased based on the student's activity in the classroom, as well as additional extracurricular tasks performed
	Pension Systems	W1: The graduate has in-depth knowledge of social risk occurrence.- K_W08 W2: The graduate has knowledge about the possibilities of securing for old-age – K_W02, U1: The graduate is able to prepare the necessary information to be applied in old-age decision-making processes. - K_U03, K1: The graduate can act as an entrepreneur. - K_K03	1. Lecture including: presentations and conversations and discussions 2. Practical classes including: case studies, students' projects and presentations, reading activities, conversations and discussions	EXAM – W01,W02, K01, - very good (5.0) – from 91% to 100%; - good plus (4.5) – from 81% to 90%; - good (4.0) – from 71% to 80%; - satisfactory plus (3.5) – from 61% to 70%; - satisfactory (3.0) – from 51% to 60%; - fail – from 0% to 50%. Essay – K01, U01,
	Investor Relations	W1: Student understands the causes and evolution of management processes towards corporate social responsibility in investor relations field – K_W02 W2: Student understands the importance of financial communications with stakeholders – K_W07, U1: Student has the ability to analyze and evaluate the activity of investor relations in companies – K_U01, U2: Student develops skills in preparing presentations, presenting and defending its own points of view - K_U09, K1: Student is able to obtain information related to the functioning of the public companies – K_K01	- information lecture - conventional lecture - problem lecture - case studies	Lecture: - preparation of a written study - W1, W2, U1 (up to 100 points) 80-100 - Very good (5.0) 70-79 points - Good plus (4.5) 60-69 points - Good (4.0) 55-59 points - Satisfying plus (3.5) 50-54 points - Satisfying (3.0) 50< points - Unsatisfying (2.0) The assessment depends on the author's thoughts contained in the study, own opinions, prepared analyzes, proposed improvements, and the quality of the SWOT analysis.

	Financial Data Mining	<p>W1: The graduate knows and understands modern financial exploration and mining methods and tools as well as their underlying specifics- K_W04, U1: The graduate is able to explore financial data and use advanced numerical methods to formulate their own opinions on them as well as to postulate and verify research hypotheses. - K_U02</p> <p>U2: The graduate is able to use modern software solutions to work with high volumes of financial data, - K_U04, U3 - The graduate understands the constant need to follow the development of data analysis methodology and improve his qualifications in the field of newly developed machine learning algorithms - K_U13</p> <p>U4 - The graduate is able to cooperate and work in Data Science teams, and to assume various roles utilized in a data mining process which follows CRISP - DM methodology - K_U12, K1: The graduate correctly identifies and solves quantitative problems related to performing their profession.</p> <p>- K_K02</p>	<p>- problem lecture, informative lecture, classes with using IT tools</p>	<p>Written exam – W1, U1, K1 written test – W1, U1,U2</p>
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Detailed allocation of ECTS credits						
Academic or artistic disciplines, to which learning outcomes refer:						
	Artistic or academic discipline				ECTS credits	
					number	%
1.	Economics and Finance				120	100,0%
Course modules	Course	No. of ECTS credits	No. of ECTS credits in the discipline:	No. of ECTS credits for elective courses	No. of ECTS credits obtained by the student in classes conducted with direct contact with the teacher or tutor	No. of ECTS credits obtained by the student as a result of: courses related to academic activity within a discipline or disciplines, to which the field of
			Economics and Finance			
Module: General Education	Business English for Finance	2	2		1	2
	University Lectures	2	2	2	1	0
	Occupational safety, Health and Ergonomics	0				

Module: Basic Subjects	Monetary and Budgetary Policy	3	3		2	3
	Advanced Managerial Accounting	4	4		2	4
	Finance and Financial Market	4	4		2	4
	Ethics in Finance	4	4		2	4
	Advanced Macroeconomics	4	4		2	4
Module: Main Course Subjects	Master's Diploma Seminar/Master thesis	20	20	20	8	20
	International Economic Law	4	4		2	4
	Taxation and Tax Law	3	3		2	3
	Financial Econometrics	5	5		3	5
	Capital Market Law	3	3		2	3
	Corporate Finance	4	4		3	4
	Advanced Financial Accounting	4	4		2	4
	Advanced Financial Statement Analysis	5	5		3	5
	World Economy Analysis and Economic Policy	2	2		1	2
	Bank Management	3	3		2	3
	Modern Management Concepts	2	2		1	2
Specialisation Module: Corporate finance and accounting	Financial Risk Management	4	4	4	2	4
	Accounting for Financial Instruments	3	3	3	2	3
	Corporate Financial Statements	3	3	3	2	3
	Price Strategies	3	3	3	1	3
	Property Insurance	3	3	3	1	3
	EU Projects	2	2	2	1	2
	Advanced Corporate Accounting	5	5	5	2	5

	Innovations in Finance	3	3	3	2	3
	Modern Banking and Payments	6	6	6	3	6
	Corporate Financing Strategies	4	4	4	1	4
	Business Plan	6	6	6	3	6
Specialisation module: Financial markets and institutions	Insurance Market	3	3	3	2	3
	Financial Investments and Risk Management	4	4	4	2	4
	Development of Start-ups	3	3	3	2	3
	Financial Crises	3	3	3	1	3
	Digital Transformation in Finance	5	5	5	2	5
	Digital Banking and Payment System	5	5	5	2	5
	International Financial Markets	3	3	3	1	3
	Pension Systems	6	6	6	3	6
	Investor Relations	4	4	4	2	4
	Financial Data Mining	6	6	6	3	6
Specialisation Module: Corporate finance and accounting IN TOTAL:		120	120	64	61	118
			100,0%	53%	51%	98%
Specialisation module: Financial markets and institutions IN TOTAL:		120	120	64	61	118
			100,0%	53%	51%	98%

This study programme is effective as of the first semester of the academic year 2022/23.