

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:	Academically oriented
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:	Disciplines: - Economics and Finance (90%) - Management and Quality Studies (10%) Major discipline: Economics and Finance
Symbol	Upon completion the graduate achieves the learning outcomes specified below:
KNOWLEDGE (the graduate knows and understands)	
K_W01	in depth, on the basis of the structured theoretical knowledge, issues and development trends of economics and finance and their place in the system of social sciences
K_W02	in depth, various types of social ties and regularities occurring among them; knows the role and importance of social responsibility in economic processes
K_W03	in depth, human behaviours in the organisation at the individual, group and institutional levels
K_W04	most recent scientific research methods as well as tools of financial analysis and forecasting
K_W05	from the perspective relevant to for finance and accounting, economic and social processes taking place in institutions and their environment
K_W06	in depth, static and dynamic relations between economic and financial structures and institutions at the national and international levels
K_W07	in depth, from the point of view relevant to finance and accounting – selected systems of legal, organisational, moral and ethical norms and rules determining the financial functioning of businesses, the state and households
K_W08	in depth, the nature, scope and effects of risk impact on the financial market
K_W09	in depth, issues in intellectual property and copyrights
K_W10	the principles of establishing and developing various forms of private business capitalising on the knowledge of economics and finance as well as management and quality studies
SKILLS (the graduate is capable of)	
K_U01	analysing, creatively interpreting and explaining economic phenomena as well as assessing the economic and financial determinants of business entities
K_U02	analysing the causes and course of financial phenomena, formulating own opinions in this field as well as putting forward research hypotheses and verifying them
K_U03	acquiring, analysing, synthesising and presenting financial data used in decision-making processes
K_U04	forecasting and modelling complex financial phenomena, using advanced quantitative methods and tools, as well as modern information and communication technologies
K_U05	using efficiently normative systems, norms and rules (legal, professional, ethical) in finance and accounting in order to solve specific problems

K_U06	using the acquired knowledge, extended by critical analysis, to solve complex and unusual problems in finance and accounting
K_U07	applying the acquired knowledge on their own to run a business
K_U08	analysing financial phenomena with the use of research methods relevant to economics and finance, as well as adapting methods or developing new ones to solve problems in finance and accounting
K_U09	developing written assignments, preparing speeches and conducting debates in finance and accounting to reach diverse audiences
K_U10	using specialist English in finance and accounting
K_U11	speaking English at B2+ level within the scope relevant to business practice
K_U12	interacting and working within task teams and assuming various roles in them, including team leadership
K_U13	planning and implementing on their own the process of expanding their knowledge and skills and inspire others to do so
SOCIAL COMPETENCES (the graduate is willing to)	
K_K01	assess critically the knowledge and recognise its importance in solving cognitive and practical problems in finance and accounting as well as to cooperate with experts in case of difficulties with solving those problems
K_K02	identify and resolve correctly dilemmas related to performing the profession, with regard to its ethos and compliance with professional ethics as well as to perform professional roles responsibly, taking into account changing social needs
K_K03	think and act as an entrepreneur and in a responsible manner, respecting social commitments and acting for sustainable development

Description of the process resulting in the achievement of learning outcomes

Part B) of the study programme

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 (90%), Management and Quality Studies (10%) 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 (field of human sciences)
Professional degree awarded to the graduate:	magister
The relationship between the study programme and NCU mission and strategy:	The second-cycle study program in the field of finance and accounting implements both the Mission and Strategy of the Nicolaus Copernicus University in Toruń, ensuring educational conditions at the highest level. The leading discipline to which the major is assigned has scientific category A, and the subjects are taught by academic teachers whose research and scientific achievements have a direct impact on the substantive content of the program. Studies in this field comprehensively prepare for further scientific development during third-cycle studies at the doctoral school. Representatives of the business environment also actively participate in the education process, which has a direct impact on linking the educational content with the current needs and challenges of the modern labour market. In the implementation of the educational program, great emphasis is placed on developing the social competences of graduates who are responsible for the environment and its sustainable development, socially engaged, enterprising, open and sensitive to diversity. Teaching classes are conducted using modern software and technology. In order to ensure interdisciplinarity of education, students take subjects in the field of humanities, also in a foreign language, during the two-year cycle. The field of study also offers an educational path in English, and its students have the opportunity to participate in a double-diploma study program under a partnership agreement with the University of Oldenburg (Germany), which gives them opportunities for both scientific development and work in an international environment.

Courses/course modules along with expected learning outcomes

Course module	Course	Expected learning outcomes (student):	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	U01: is able to communicate with various groups of recipients using general English and in the context of finance and accounting. (K_U10) U02: is able to prepare and deliver speeches in debates on topics related to finance and accounting, using general English at the B2+ level. (K_U09) U03: has the ability to use English in speech and writing at the B2+ level of the Common European Framework of Reference for Languages and in the area of finance and accounting. (K_U11)	Expository methods (drama, show, simulation) Presentation methods (description, presentation, talk) Search methods (exercise, idea exchange, Oxford debate, project) Teaching methods in online education (evaluation methods)	graded credit/EXAM
	University lectures (field of human sciences)	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: 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: 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.</p> <p>U1: 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: is able to use specialist English in the context of Finance - K_U10.</p> <p>U03: 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 	lectures - EXAM
Module: Basic subjects	Advanced Managerial Accounting	<p>W1: knows and understands at an advanced level financial aspects (theory and practice) of management in economic units - K_W04,</p> <p>U1: is able to prepare the necessary information used in decision-making processes - K_U03 ,</p> <p>K1: is able to think analytically, obtain information to solve specific problems in the field of finance and accounting - K_K01.</p>	Information lecture, problem solving, discussion, group work	Lectures - exam classes - graded credit

	Finance and Financial Market	<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,</p> <p>U1: 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,</p> <p>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>	Lectures - exam classes - graded credit
	Ethics in finance	<p>W1: understands the causes and evolution of management processes towards corporate social responsibility – K_W02</p> <p>W2: understands the importance of ethics in the financial market and the principles of sustainable development – K_W07,</p> <p>U1: 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,</p> <p>U2: develops skills in preparing presentations, presenting and defending its own points of view K_U09,</p> <p>K1: 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>	Lectures - exam

	Advanced Macroeconomics	<p>W1: has knowledge about processes taking place in the monetary sphere of the global economy – K_W01</p> <p>W2: understands problems of economic policy in the open economy – K_W02,</p> <p>W3: will gain a good understanding of the motives behind the behaviour of international financial market participants and their effects - K_W03,</p> <p>U1: has the ability to apply various theoretical concepts to analyze the effects of using macroeconomic policy instruments in an open economy – K_U01,</p> <p>U2: is well prepared to prepare short analyses regarding selected problems of international economy – K_U09,</p> <p>K1: 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.</p> <p>Practical exercises devoted to practicing the skills of using theoretical achievements of international economics to solve problems describing certain phenomena in economic practice.</p>	Lectures - exam classes - graded credit
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Module: Main course subjects	Master's Diploma Seminar/Master thesis	<p>W1. Gaining knowledge on the discipline of finance in the area used in the thesis K_W01.</p> <p>W2. Gaining knowledge of modern methods and tools used when writing a thesis K_W06.</p> <p>W3. Gaining knowledge in the field of intellectual property and copyrights K_W09,</p> <p>U1. Acquiring the ability to analyze, interpret and explain economic phenomena, considering the economic and financial conditions K_U01.</p> <p>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.</p> <p>U3. Acquiring the ability to create typical written works and preparation of speeches in English in the field finance and accounting K_U09,</p> <p>K1: is ready to critically assess his/her own knowledge in the field related to the subject of the master's thesis and cooperate with the supervisor during its preparation [K_K01]</p> <p>K2: ready to perform the assigned tasks while respecting applicable ethical principles and is aware of the high ethical standards of the prepared works [K_K02].</p> <p>K3: is ready to act in an organized, reliable and responsible manner, bearing in mind the good of the social group in which he/she functions [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:</p> <p>Semester I - selection of the topic and preparation of the work outline,</p> <p>Semester II - developing two chapters of work</p> <p>Semester III - preparation and submission of a complete thesis.</p> <p>Completion of the seminar (submission of the thesis)</p> <p>Diploma exam</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,</p> <p>U1: can find and interpret rules of international law that are in force in the international business environment K_U01</p> <p>U2: can analyze the roles that multilateral institutions play in regulating crucial international economic relations K_U05,</p> <p>K1: understands the significance of updating knowledge about law that is in force in the international business environment K_K01</p>	<p>- informative lecture,</p> <p>- typical lecture,</p> <p>- case studies and projects,</p> <p>- legal norms interpretation</p>	Lectures - exam classes - graded credit
	Taxation and tax law	<p>W1: has in-depth knowledge, understands and investigates international taxation system- K_W07,</p> <p>U1: efficiently uses provisions of law to solve specific tax problems - K_U05</p>	<p>Expository teaching methods:</p> <p>- informative lecture, description – Power Point presentation of theoretical issues and practical examples.</p> <p>Exploratory teaching methods:</p> <p>- practical – solving of practical cases, discussion</p>	Lectures - graded credit

	Financial Econometrics	<p>W1: knows market efficiency concept and its consequences - K_W04</p> <p>W2: identifies and knows estimation methods for volatility models - K_W06</p> <p>W3: is familiar with applications of financial econometrics models in risk analysis K_W08,</p> <p>U1: evaluates market efficiency level - K_U04</p> <p>U2: estimates and interprets volatility models from the forecasting perspective - K_U08</p> <p>U3: calculates risk measures based on financial econometrics models (VaR, ES) and can evaluate them K_U04,</p> <p>K1: is ready to acquire data for financial markets analysis - K_K01</p>	Presentation lecture, problem lecture, classes in a computer laboratory, solving practical problems	Lectures - exam classes - graded credit
	Capital market law	<p>W01: Has knowledge and understands the rules of functioning of financial market institutions, with particular focus on legal regulations (K_W07),</p> <p>U01: Can use various standards, especially legal ones, to analyze and formulate conclusions regarding selected phenomena occurring on the financial market (K_U05),</p> <p>K1: The student is able to identify and solve ethical dilemmas related to the provision of financial services (K_K02)</p>	Lecture, discussion, case presentations	Lectures - graded credit

	Corporate Finance	<p>W1: knows the concept, ideas and rules of financial management in the corporation - K_W05.</p> <p>W2: knows an influence of the external and internal factors on the financial condition of the corporation - K_W05.</p> <p>W3: knows the relations and connections between various items of the balance sheet, income statement and cash flows statement of the corporation - K_W04,</p> <p>U1: can assess and evaluate financial condition of the company - K_U01.</p> <p>U2: can calculate, use and evaluate financial ratios in the corporation - K_U03,</p> <p>K1: tends to enlarge its knowledge related to corporate management K_K01.</p> <p>K2: searches for new and creative solutions of the financial problems of the corporation K_K03.</p> <p>K3: develops skills of working in a group K_K03.</p>	Power Point presentation, case study solving, exercises solving, discussion	Lectures - exam classes - graded credit
	Advanced Financial Accounting	<p>W1: is familiar with advanced terms in scope of financial accounting (related to assets, liabilities and result items) – K_W01.</p> <p>U1: can valuate and record economic operations related to advanced selected positions of assets and liabilities, as well as results items. – K_U06.</p> <p>K1: 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:</p> <p>- practical – solving of practical cases, discussion, group work.</p>	Lectures - exam classes - graded credit
	Advanced Financial Statement Analysis	<p>W1: knows the advanced tools for analyzing financial statements. - K_W04, U1: Student is able to properly select and analyze reporting information. - K_U03,</p> <p>K1: is able to proper evaluation relevant reporting information to solve of operational and decision-making problems. - K_K01</p>	traditional lecture, seminar lecture, Power Point presentation, case study analysis, discussion	Lectures - exam classes - graded credit

	World Economy Analysis and Economic Policy	<p>W1: has in-depth knowledge of world economy and its place in social sciences (K_W01)</p> <p>W2: has advanced knowledge of different theoretical approaches to economic policy and its evolution (K_W01),</p> <p>W3: has in-depth knowledge of the relationships between human behavior and sustainable development goals for the world economy (KW03),</p> <p>U1: can analyze, interpret, and explain economic phenomena in the world economy and to suggest relevant economic policies (K_U01)</p> <p>U2: can cooperate and work in task teams when preparing the presentation about important world economy problems (K_U12),</p> <p>K1: has knowledge and skills enabling them to obtain information used to solve specific problems of the world economy (K_K01).</p>	<p>Expository teaching methods:</p> <ul style="list-style-type: none"> - informative lecture with multimedia presentations, - discussion, - additional teaching materials. 	Lectures - graded credit
	Bank Management	<p>W1: is familiar with fundamental terms in scope of banking and bank management (related to institutions, settlements, instruments) - K_W01, K_W03.</p> <p>W2: recognizes regulations and laws of functioning of banks in domestic as well as international markets - K_W01, K_W10.</p> <p>W3: knows the field of operations, tasks and the role of banks - K_W05,</p> <p>U1: 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: can calculate, use and evaluate financial ratios in banks - K_U03, K_U07,</p> <p>K1: tends to enlarge the knowledge related to bank management - K_K01.</p> <p>K2: searches for new and creative solutions of the financial problems of banks -K_K02, K_K03.</p> <p>K3: 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	Lectures - exam

	Modern management concepts	<p>W1. knows, understands and considers – from the perspective of management theory – economic and social processes in organisations and their environment (including global environment), their sources, relations between them and long-term consequences (outcomes) (K_W05)</p> <p>W2. knows, understands and considers – from the perspective of management theory – the principles and methods of rationalising decision making, regarding strategic decisions in particular (K_W04)</p> <p>W3. knows, understands and considers – from the perspective of management theory – the relations between organisations and their stakeholders, the rules of developing these relations in accordance with ethical standards, CSR and development-oriented goals of an organisation (K_W02)</p> <p>W4. knows, understands and considers – from the perspective of management theory – selected systems of legal, organisational, branch and ethical standards including their nature, roots, changes and courses of action (K_W07),</p> <p>U1. can forecast, identify and analyse the issues concerning the operations and development of an organisation (K_U01)</p> <p>U2. can design and manage remedial actions for identified problems/issues (K_U02)</p> <p>U3. can apply up-to-date management methods and techniques in an efficient way (K_U04)</p>	<p>Lecture including:</p> <ul style="list-style-type: none"> - PPT presentations - conversations and discussions - case studies 	Lectures - graded credit
Specialisation module: Corporate finance and accounting	Financial Risk Management	<p>W1: has knowledge of identify and measuring risk - K_W08, K_W04</p> <p>W2: has knowledge of risk management techniques - K_W08, K_W04</p> <p>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</p> <p>K1: can recognize the knowledge importance in solving</p>	<p>Expository teaching methods:</p> <ul style="list-style-type: none"> - informative lecture with presentation and examples. <p>Exploratory teaching methods:</p> <ul style="list-style-type: none"> - exercises solving, - project work, - practical. 	Lectures - exam classes - graded credit

		cognitive and practical problems in the field of finance and accounting - K_K01		
	Accounting for Financial Instruments	W1: identifies, recognizes, measures and disclosures financial instruments. - K_W08, U1: is able to properly select and analyze information about financial instruments. - K_U03, K1: 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	traditional lecture, seminar lecture, Power Point presentation, case study analysis, discussion	Lectures - graded credit classes - graded credit
	Corporate Financial Statements	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	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.	Lectures - graded credit classes - graded credit
	Price Strategies	W1: knows and understands modern tools in the field of price strategies as well as their underlying regularities - K_W04, U1: is able to prepare the necessary information to be applied in decision-making processes in the field of price strategies. - K_U03, K1: 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	Informative lecture – Power Point presentation of theoretical issues and practical examples	Lectures - graded credit

	Property Insurance	W1: has in-depth knowledge of risk occurrence in the market.- K_W08, U1: is able to prepare the necessary information to be applied in insurance decision-making processes. - K_U03	Lecture including: presentations and conversations and discussions	Lectures - exam
	EU Projects	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).	Observation/demonstration teaching methods: -display (multimedia presentation). Expository teaching methods: - informative lecture, - discussion. Exploratory teaching methods: - case study, - practical, - project work.	Lectures - graded credit
	Advanced Corporate Accounting	W1: is familiar with advanced terms in scope of corporate accounting (related to assets, liabilities and result items) – K_W01. U1: can value and record economic operations related to advanced selected positions of assets and liabilities, as well as results items. – K_U06. K1: tends to enlarge the knowledge related to advanced corporate accounting – K_K01.	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	Lectures - exam classes - graded credit

	Innovations in Finance	<p>W1: has in-depth knowledge of Digital finance and its position within the system of Social Sciences and its evolution. - K_W01,</p> <p>U1: efficiently uses normative systems, standards and rules (legal, professional, ethical) in the field of innovation in finance - K_U06</p> <p>U2: displays the ability to understand and analyse financial phenomena in the area of digital finance. - K_U08</p>	<p>informative lecture (conventional)</p> <p>conversational lecture</p> <p>case study</p>	Lectures - graded credit
	Modern Banking and Payments	<p>W1: has in-depth knowledge of FinTech sector development and its position within the financial system and the economic theory and its evolution K_W01.</p> <p>W2: 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.</p> <p>U1: 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: 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 analysis, discussion.</p>	Lectures - exam classes - graded credit
	Corporate Financing Strategies	<p>W1: knows the methods of identifying and planning the financing strategy of the corporate - K_KW04</p> <p>U1: is able to determine, on the basis of the company's financial statements, what financial strategy was implemented by the corporate- K_U01,</p> <p>K1: is prepared to expand his knowledge related to the finance of the company - K_K03</p>	<p>- prezentacja multimedialna,</p> <p>- case study,</p> <p>- wykład informacyjny,</p> <p>- wykład problemowy.</p>	Lectures - graded credit

	Business Plan	<p>W1: knows and understands modern financial analysis and forecasting methods and tools as well as their underlying regularities - K_W04,</p> <p>U1: is able to analyse, interpret and explain economic phenomena and to assess economic and financial determinants of business entities - K_U01,</p> <p>K1: 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</p>	<p>Expository teaching methods:</p> <ul style="list-style-type: none"> - informative lecture – 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, project, discussion, group work 	Lectures - exam classes - graded credit
Specialisation module: Financial markets and institutions	Insurance Market	<p>W1: 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,</p> <p>K1: can act as an entrepreneur. - K_K03</p>	<p>1. Lecture including: presentations and conversations and discussions</p> <p>2. Practical classes including: case studies, students' projects and presentations, reading activities, conversations and discussions</p>	Lectures - graded credit classes - graded credit
	Financial Investments and Risk Management	<p>W1: is acquainted with types of financial instruments and how they work - K_W08</p> <p>W2: has knowledge of identify, measuring and risk management techniques - K_W08,</p> <p>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,</p> <p>K1: can solve specific problems within Finance and Accounting - K_K01</p>	<p>Expository teaching methods:</p> <ul style="list-style-type: none"> - informative lecture with presentation and examples. <p>Exploratory teaching methods:</p> <ul style="list-style-type: none"> - exercises solving, - project work, - practical analysis. 	Lectures - exam classes - graded credit

	Development of Start-ups	W1: knows general principles of development of start-ups using the knowledge of finance – K_W10, U1: has the ability to obtain and analyze information that may be useful in running a business – K_U07	informative lecture (conventional) conversational lecture case study presentation	Lectures - graded credit
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	Financial Crises	<p>W1: has in-depth knowledge of statistical and dynamic relationships between economic and financial structures and institutions at the national and international levels (K_W06).</p> <p>W2: 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).</p> <p>W3: has in-depth knowledge of risk occurrence in the financial market at the national and global levels (K_W08).</p> <p>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).</p> <p>U2: 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).</p> <p>U3: shows the ability to use the acquired knowledge in finance and Accounting extended by a critical analysis (K_U04).</p> <p>U4: 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),</p> <p>K1: has knowledge and skills enabling 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>K2: correctly identifies and solves dilemmas related to financial crises and performing their profession (K_K02).</p>	<p>informative and participatory lectures, discussion sessions, multimedia presentations, practical.</p>	Lectures - graded credit
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	Digital Transformation in Finance	<p>W1: 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,</p> <p>U1: efficiently uses normative systems, standards and rules (legal, professional, ethical) in the field of Digital Finance - K_U05</p> <p>U2: displays advanced skills in preparing written reports and delivering oral presentations in English on Digital Finance. - K_U10</p>	<p>informative lecture (conventional)</p> <p>conversational lecture</p> <p>case study</p>	<p>Lectures - graded credit</p> <p>classes - graded credit</p>
	Digital Banking and Payment System	<p>W01: has in-depth knowledge of FinTech sector development and its position within the financial system and the economic theory and its evolution K_W01,</p> <p>W02: 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,</p> <p>U01: 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: 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 analysis, discussion.</p>	<p>Lectures - graded credit</p> <p>classes - graded credit</p>
	International Financial Markets	<p>W01: Has knowledge and understands the principles of functioning of financial market institutions and instruments K_W07 ,</p> <p>U01: can use the acquired knowledge to analyze and formulate conclusions regarding selected phenomena occurring on the financial market K_U06,</p> <p>K01: Has the knowledge and skills to solve problems in the area of functioning of the financial market K_K01</p>	<p>Lecture, discussion, case presentations</p>	<p>Lectures - exam</p>

	Pension Systems	<p>W1: has in-depth knowledge of social risk occurrence.- K_W08</p> <p>W2: has knowledge about the possibilities of securing for old-age – K_W02,</p> <p>U1: is able to prepare the necessary information to be applied in old-age decision-making processes. - K_U03,</p> <p>K1: can act as an entrepreneur. - K_K03</p>	<p>1. Lecture including: presentations and conversations and discussions</p> <p>2. Practical classes including: case studies, students' projects and presentations, reading activities, conversations and discussions</p>	Lectures - graded credit classes - graded credit
	Investor Relations	<p>W1: understands the causes and evolution of management processes towards corporate social responsibility in investor relations field – K_W02</p> <p>W2: understands the importance of financial communications with stakeholders – K_W07,</p> <p>U1: has the ability to analyze and evaluate the activity of investor relations in companies – K_U01,</p> <p>U2: develops skills in preparing presentations, presenting and defending its own points of view - K_U09,</p> <p>K1: is able to obtain information related to the functioning of the public companies – K_K01</p>	- information lecture - conventional lecture - problem lecture - case studies	Lectures - graded credit

	Financial Data Mining	<p>W1: knows and understands modern financial exploration and mining methods and tools as well as their underlying specifics- K_W04,</p> <p>U1: 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: is able to use modern software solutions to work with high volumes of financial data, - K_U04,</p> <p>U3 - 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 - 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,</p> <p>K1: correctly identifies and solves quantitative problems related to performing their profession- K_K02</p>	- problem lecture, informative lecture, classes with using IT tools	Lectures - exam classes - graded credit
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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				108	90%
2.	Management and Quality Studies				12	10%
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

			Economics and Finance	Management and Quality Studies			
Module: General Education	Business English for Finance	2	2	0	0	1	0
	University Lectures (field of human sciences)	4	4	0	4	2	0
	Occupational safety, Health and Ergonomics	0	0	0	0	0	0
Module: Basic Subjects	Monetary and Budgetary Policy	3	3	0	0	2	3
	Advanced Managerial Accounting	4	0	4	0	2	4
	Finance and Financial Market	4	4	0	0	2	4
	Ethics in Finance	2	2	0	0	1	2
	Advanced Macroeconomics	4	4	0	0	2	4
Module: Main Course Subjects	Master's Diploma Seminar/Master thesis	20	20	0	20	8	20
	International Economic Law	4	4	0	0	2	4
	Taxation and Tax Law	3	3	0	0	2	3
	Financial Econometrics	5	5	0	0	3	5
	Capital Market Law	3	3	0	0	2	3
	Corporate Finance	4	4	0	0	3	4
	Advanced Financial Accounting	4	4	0	0	2	4
	Advanced Financial Statement Analysis	5	5	0	0	3	5
	World Economy Analysis and Economic Policy	2	2	0	0	1	2
	Bank Management	3	3	0	0	2	3
	Modern Management Concepts	2	0	2	0	1	2

Specialisation Module: Corporate finance and accounting	Financial Risk Management	4	4	0	4	2	4
	Accounting for Financial Instruments	3	3	0	3	2	3
	Corporate Financial Statements	3	3	0	3	2	3
	Price Strategies	3	3	0	3	1	3
	Property Insurance	3	3	0	3	1	3
	EU Projects	2	2	0	2	1	2
	Advanced Corporate Accounting	5	5	0	5	2	5
	Innovations in Finance	3	3	0	3	2	3
	Modern Banking and Payments	6	6	0	6	3	6
	Corporate Financing Strategies	4	3	1	4	1	4
	Business Plan	6	0	6	6	3	6
Specialisation module: Financial markets and institutions	Insurance Market	3	3	0	3	2	3
	Financial Investments and Risk Management	4	3	1	4	2	4
	Development of Start-ups	3	0	3	3	2	3
	Financial Crises	3	3	0	3	1	3
	Digital Transformation in Finance	5	5	0	5	2	5
	Digital Banking and Payment System	5	5	0	5	2	5
	International Financial Markets	3	3	0	3	1	3
	Pension Systems	6	6	0	6	3	6
	Investor Relations	4	3	1	4	2	4
	Financial Data Mining	6	6	0	6	3	6
Specialisation Module: Corporate finance and accounting IN TOTAL:		120	107	13	66	61	114
			89,2%	10,8%	55%	51%	95%
Specialisation module: Financial markets and institutions IN TOTAL:		120	109	11	66	61	114
			90,8%	9,2%	55%	51%	95%
Course modules	Course	Programme content					

Module: General Education	Business English for Finance	Banking Bonds Stocks and Shares Accounting and Financial Statements Government and Taxation Exchange Rates
	University Lectures (field of human sciences)	depends on the chosen subject
	Occupational safety, Health and Ergonomics	potential threats in the place of study and stay, factors harmful to health, burdensome and dangerous - prevention introduction to ergonomics, fire protection, first aid rules
Module: Basic Subjects	Monetary and Budgetary Policy	Types and functions of money, money demand and money supply Monetary policy objectives and instruments Central banking models in international context Central bank and interest rates and exchange rate in an open economy Monetary policy and the business cycle and financial crises Institutions and instruments of public finance Public deficit and debt Interdependence of fiscal and monetary policy
	Advanced Managerial Accounting	Cost classification criteria for decision-making purposes Relevant costs and revenues Estimating costs for decision-making purposes The strategic dimension of cost management Investment decisions Accounting of responsibility centers Selected tools of strategic management accounting
	Finance and Financial Market	finance financial market financial institutions financial instruments

	Ethics in Finance	Importance of ethics in the modern financial market Corporate social responsibility and socially responsible investment Examples of unethical activities Cases of consumer boycotts Ethical & green investors
	Advanced Macroeconomics	Exchange rates and the foreign exchange market: an asset approach Money, interest rates, and exchange rates Price levels and the exchange rate in the long run Output and the exchange rate in the short run Fixed exchange rates and foreign exchange intervention
Module: Main Course Subjects	Master's Diploma Seminar/Master thesis	Scientific research process Scientific methods Quantitative vs. qualitative research Sampling Writing scientific texts
	International Economic Law	Analysis of the legal foundations of the international economy. Fundamental principles and institutional structure of international economic law. Legal implications of the changing roles of international economic institutions in both global and regional contexts. Selected issues of public and private international law of trade, finance and investment. Law connected with conducting business in international milieu.
	Taxation and Tax Law	Definition of tax, tax system, elements of taxation Current issues in international tax law Sources of domestic and international tax law Elements of direct taxes on the example of selected countries Elements of indirect taxes on the example of selected countries
	Financial Econometrics	Univariate stationary time series models. Univariate and multivariate non-stationary time series models. Financial time series characteristics. Univariate volatility models.

	Capital Market Law	Legal regulations concerning financial market instruments Legal regulations concerning financial market institutions Multi-aspect analysis of phenomena and processes occurring on the financial market
	Corporate Finance	Financial reporting Assets and liabilities Sales and costs Incomes and cash flows Working capital Management Fixed assets and capital management
	Advanced Financial Accounting	Tangible assets and intangible asstes Investment assets Materials and goods Products Reserves and prepayments Financial result
	Advanced Financial Statement Analysis	Financial statements Cash flow analysis Financial ratio analysis
	World Economy Analysis and Economic Policy	Global macroeconomic trends. Sustainable development goals. Economic policies to tackle the global problems. Developing countries problems.
	Bank Management	Characteristics of bank Assets and liabilities structure of bank Credit and deposit operations of bank Risk management in bank Financial analysis of bank

	Modern Management Concepts	The origins and evolution of management theory The determinants of contemporary management Managing organisation change, development and innovation Total Quality Management (TQM), Kaizen and Lean Management Benchmarking Business Process Reengineering (BPR) Outsourcing Positive Organisational Scholarship and Positive Management
Specialisation Module: Corporate finance and accounting	Financial Risk Management	Foundations of Risk Management Financial Time Series Market Risk Measurement and Management Valuation of Derivatives
	Accounting for Financial Instruments	Financial instruments Financial instruments disclosures Hedge accounting
	Corporate Financial Statements	Basic accounting concepts Balance sheet Profit and loss account Other elements in corporate reporting
	Price Strategies	Basic pricing strategies Price and product life cycle Lower price limit Cost pricing formulas Optimal selling price Target Costing Price Transfer pricing
	Property Insurance	Uncertainty and risk. Risk identification, analysis and management. Insurance classification. Insurance as a method of risk management. Insurance market.

	EU Projects	introduction to the European Union functioning with particular emphasis on the economic policies of the European Union (including cohesion policy) sources of financing for EU projects introduction to the EU project management
	Advanced Corporate Accounting	Financial Accounting - Accounts Payable Financial Accounting - Accounts Receivable IPA, RPA in finance and accounting processes Current challenges for accountancy
	Innovations in Finance	Digital banking Innovations on the financial services market FinTech sector on the financial market Digital money, cryptocurrencies and blockchain technology in finances Legal and sector-specific regulations in the area of digital finances
	Modern Banking and Payments	Modern banking - business and digital technologies Development of the modern banking services market Payment services in electronic
	Corporate Financing Strategies	financing strategies capital structure equity debt
	Business Plan	Business model Business plan characteristics Business plan structure Strategic analysis tools Economic and financial evaluation of projects Formal and substantive assessment of the business plan
Specialisation module: Financial markets and institutions	Insurance Market	Uncertainty and risk Risk management Life and non-life insurance Insurance market (insurance density) Insurance as a method of risk management

	Financial Investments and Risk Management	Foundations of Risk Management (basic risk types, measurement and management tools). Valuation of Debt Instruments and Derivatives (bonds; forwards; futures; swap; options)
	Development of Start-ups	Start-up – definitions, functions and classifications Start-up – historical background Formal and legal regulations regarding the functioning of start-ups Business risks Financial aspects of start-ups functioning Presentations of successful and unsuccessful start-ups
	Financial Crises	Types and definitions of financial crises Identification, Dating and Frequency of Crises Real and Financial Implications of Crises Predicting Financial Crises Banking Crises, Inflation, and Currency Crashes The U.S. Subprime Meltdown and the Second Great Contraction Early Warnings, Graduation, Policy Responses to financial crises
	Digital Transformation in Finance	Digital banking Innovations on the financial services market FinTech sector on the financial market Digital money, cryptocurrencies and blockchain technology in finance The consumer on the digital finance market The use of biometrics and artificial intelligence in finances Legal and sector-specific regulations in the area of digital finance

	Digital Banking and Payment System	<p>The essence and evolution of digital banking (Concept and classification of digital banking, History of digital banking development in Europe in the world, Legal regulations, Role of mobile banking, digital banking market - banks and clients)</p> <p>Conditions for the development of digital banking services (Strategy for offering digital banking, Economic conditions for functioning, Security and authentication mechanisms, Innovations and new technologies in banking, including open banking and FinTech sector, Perspectives and challenges for electronic banking)</p> <p>Digital banking as an element of the payment system (digital payment instruments and payment system, Payment card systems, Digital banking and non-cash transactions and its importance for the economy)</p>
	International Financial Markets	<p>Instruments of the International Financial Market</p> <p>Institutions of the International Financial Market</p> <p>Phenomena and Processes Occurring in the International Financial Market</p>
	Pension Systems	<p>Social policy</p> <p>Social security</p> <p>Social insurance</p> <p>Social risks</p> <p>Pension system</p> <p>Pension systems in selected countries</p>
	Investor Relations	<p>Evolution of the IR concept</p> <p>Stakeholders differentiations' approach</p> <p>Financial communication in law regulations</p> <p>Loyalty programs for shareholders</p>

	Financial Data Mining	<p>Essential types of financial data</p> <p>Data acquisition</p> <p>Data mining methodologies (CRISP-DM and others)</p> <p>Learning paradigms for data mining</p> <p>Methods for financial data preparations</p> <p>Methods for financial data explorations</p> <p>Financial use cases (Fraud detection, Churn analytics, Credit risk management, Optimal portfolio selections, Financial time series explorations, including motifs and discords discovery)</p>
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This study programme is effective as of the winter semester of the academic year 2025/26.