



**УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ**

**UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
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MASTER ACADEMIC STUDIES FINANCIAL TECHNOLOGIES

- Book of courses -



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AND BUSINESS



Table 5.2. Specification of courses in the second cycle study programme **FINANCIAL TECHNOLOGIES**

No.	Course code	Course name
1.	27.M301	Electronic Payment Systems
2.	27.M302	Analysis of Financial Risks and Portfolios
3.	27.M304	Risk Management of Financial Institutions
4.	27.M305	Investment Analysis
5.	27.M307	Digital Organization
6.	27.M308	Optimizaton Methods and Models in Decision Making
7.	27.M309	Artificial Intelligence
8.	27.M310	Internship
9.	27.M311	Master thesis – research
10.	27.M312	Master thesis – preparation and defense



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Study program: FINANCIAL TECHNOLOGIES			
Type and level of studies: Master's studies (second level)			
Course name: Electronic Payment Systems			
Teacher/teachers: Nenad Z. Tomić			
Language of instruction: English			
Course status: Mandatory			
ECTS: 8			
Prerequisites: /			
Semester: Winter			
Course objective: The aim of the course is to enable students to understand the essence of the problems of the functioning of modern payment systems in the context of the intensive application of information and communication technology. The complete digitalization of society and business has particular effects on the financial and monetary system. Financial information technology changes the way of trading in financial markets, reshapes credit market, while electronic payment transactions create space for changing the approach to some traditional activities, such as trade and marketing. Therefore, in addition to getting acquainted with the mechanisms of functioning of electronic payment systems, it is important for students to understand the specific possibilities of their application. Besides, it considers the introduction of new procedures and technologies in finance, with special attention paid to the new opportunities and challenges they bring.			
Learning outcome of the course: Students should be able to use modern financial technology achievements in the field of payments and operations in the financial market in practice. The availability of electronic payment systems creates conditions for the development of a whole range of new activities that can be carried out individually or within small businesses. Therefore, knowledge of the possibilities and limitations of electronic payments not only facilitates access to payment transactions for personal needs, but also provides a competitive advantage, especially in the domain of entrepreneurial activities. The student should be able to understand the nature and characteristics of the functioning of modern payment systems, analyze relevant problems, think critically about them and solve them.			
Course content <i>Theoretical lecture</i> Electronic payment systems, Electronic money and monetary system, Cryptocurrencies, Virtual money, The impact of technology on modern financial flows, Crowdfunding, Crowdlending, Embedded finance, Decentralized finance. <i>Practical lectures</i> Other methods of teaching. Within this part, two tests will be worked.			
Literature: 1. Gecer, T., Akrigay, V. (2025). <i>The Financial Technology Revolution</i> . Palgrave Macmillan. 2. Kuo Chuen, D.L. (ed.) (2024). <i>Handbook of Digital Currency</i> , 2 nd edition, Academic Press.			
Number of active teaching hours: 7 (lectures 2 + practice 2 + OAC 1 + RW 2)	Theoretical teaching: 2	Practical teaching: 2	
Teaching methods Theoretical instruction, practical instruction, independent student work, consultations, discussions, and other teaching methods.			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	/	Written exam	30
Practical classes	/	Oral exam	/
Tests	60		
Seminars	10		
Examination methods can be different, the table shows only some options: (written exams, oral exams, project presentation, seminars, etc...)			
*maximum length is 2 pages A4 format			



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Table 5.2

Study program: FINANCIAL TECHNOLOGIES		
Type and level of studies: Master's studies (second level)		
Course name: Analysis of Financial Risks and Portfolios		
Teacher/teachers: Mikica M. Drenovak		
Language of instruction: English		
Course status: Mandatory		
ECTS: 8		
Prerequisites: /		
Semester: Winter		
Course objective: The primary objective of the course Analysis of Financial Risks and Portfolios is to introduce contemporary principles, and advanced methods and tools used in modeling and quantifying financial risks. The course material is designed to equip students with a rigorous understanding of risk measurement concepts and to provide guidance on how to identify, classify, and measure risks characteristic of financial institutions' operations. Particular emphasis is placed on market risk.		
Learning outcome of the course: Upon successful completion of the course students are expected to have: <ol style="list-style-type: none">1. Acquired a solid understanding of the concept of risk, the classification of financial risks, risk measures and the intuition behind, as well as principles of portfolio selection and relevant portfolio optimality criteria;2. Mastered various risk modeling techniques, thereby developing analytical skills and the ability to use relevant software packages;3. Gained practical experience in collecting and analyzing financial data. The knowledge obtained should enable students to confidently engage in work within financial institutions or to manage their own investment portfolios effectively.		
Course content Students will study the risks associated with holding positions in different asset classes and the importance of diversification, with particular focus on portfolio analysis of equity and fixed-income instruments. The course covers performance measurement methodologies, including absolute performance, relative performance (with respect to a benchmark index and tracking error evaluation), risk-adjusted performance, sensitivity of portfolios to changes in key systematic factors, and sensitivity under stress scenarios. Special attention is devoted to bond portfolio sensitivity measures, including duration and convexity, as well as yield curve modeling techniques. Within the framework of modern portfolio theory, the Markowitz asset allocation model and the Capital Asset Pricing Model (CAPM) are examined, along with their implications for portfolio selection. The study of risk measures begins with variance as a measure of average risk, followed by downside risk measures based on distribution asymmetry (such as semivariance). The course then introduces extreme-quantile risk measures, primarily Value at Risk (VaR) and Conditional Value at Risk (CVaR), which underpin regulatory frameworks such as Basel and Solvency regulations governing banking and insurance institutions. Finally, the course presents machine learning methods applied in finance, including both supervised and unsupervised learning approaches for factor analysis and forecasting. Supervised methods include advanced regression techniques, with emphasis on penalized regression. Among unsupervised methods, Principal Component Analysis (PCA) is studied as a key tool for identifying latent factors and supporting predictive analysis.		
Literature: <ol style="list-style-type: none">1. Benninga, S. (2008). <i>Financial Modeling</i>. 3rd Edition, The MIT Press Cambridge, Massachusetts.2. Lecture notes and course materials3. Alexander, C. (2008). <i>Quantitative Methods in Finance</i>. England: John Wiley & Sons Ltd.4. Christoffersen, P., <i>Elements of Financial Risk Management</i> (3rd Edition), Academic Press, 2019.		
Number of active teaching hours: 7 (lectures 2 + practice 2 + OAC 1 + RW 2)	Theoretical teaching: 2	Practical teaching: 2
Teaching methods Theoretical instruction, practical instruction, independent student work, consultations, discussions, and other.		



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	/	Written exam	30
Practical classes	/	Oral exam	/
Tests	60		
Seminars	10		
Examination methods can be different, the table shows only some options: (written exams, oral exams, project presentation, seminars, etc...)			
*maximum length is 2 pages A4 format			

[Table 5.2](#)



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Study program: FINANCIAL TECHNOLOGIES			
Type and level of studies: Master's studies (second level)			
Course name: Risk Management of Financial Institutions			
Teacher/teachers: Milena M. Jakšić, Violeta D. Todorović			
Language of instruction: English			
Course status: Elective			
ECTS: 8			
Prerequisites: /			
Semester: Winter			
Course objective: The aim of this course is to introduce students to the contemporary theory of risk management in both deposit and non-deposit financial institutions. At the same time, by providing students with the necessary conceptual framework, it enables a more flexible approach to risk management without rigid reliance solely on mathematical models, which have failed to identify the growth of systemic risk during global crises. The knowledge offered forms a foundation for understanding and implementing existing and new regulations set by national and supranational supervisors of financial systems.			
Learning outcome of the course: By studying this course, students acquire the ability to identify potential risks of financial institutions, quantify them, recognize their consequences, and implement appropriate strategies to manage them. At the same time, students are introduced to an expanded concept of risk management that is based not only on risk avoidance but also on risk utilization. In this way, students develop the capacity to manage risks intelligently, contributing to value creation.			
Course content <i>Theoretical lecture</i> The course covers the concept of risk in contemporary financial flows, examining the various types and characteristics of risk, as well as the main theories of risk management. It addresses banking risk management, including the analysis of return and risk in banks, and explores regulatory approaches to controlling banking risks. Additionally, the course introduces risk management practices for institutional investors, covering classical techniques for managing investment portfolio risks as well as modern approaches to measuring and assessing risks in investment portfolios. <i>Practical lectures</i> Other methods of teaching. Within this part, two tests will be worked.			
Literature: John C. Hull. (2010). <i>Risk management and financial institutions</i> (2th ed.). Pearson Prentice Hall.			
Number of active teaching hours: 7 (lectures 2 + practice 2 + OAC 1 + RW 2)		Theoretical teaching: 2	Practical teaching: 2
Teaching methods Theoretical instruction, practical instruction, independent student work, consultations, discussions, and other teaching methods.			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	/	Written exam	30
Practical classes	/	Oral exam	
Tests	50		
Seminars	20		
Examination methods can be different, the table shows only some options: (written exams, oral exams, project presentation, seminars, etc...			



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



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Table 5.2

Study program: FINANCIAL TECHNOLOGIES			
Type and level of studies: Master's studies (second level)			
Course name: Investment Analysis			
Teacher/teachers: Milena M. Jakšić, Violeta D. Todorović			
Language of instruction: English			
Course status: Elective			
ECTS: 8			
Prerequisites: /			
Semester: Summer			
Course objective: To acquire theoretical knowledge and practical skills in the field of investment theory and investment management in a dynamic financial environment. • To examine the general framework of investing and the investment alternatives available in contemporary markets. • To demonstrate critical thinking skills in problem-solving within the context of investment theory and investment practice. • To explore various advanced forms of investment and assess the role of return and risk in the decision-making process when selecting investment alternatives. • To understand the importance of ethical codes and standards of professional conduct for investors in financial markets.			
Learning outcome of the course: Students will be introduced to the basic theoretical and methodological issues of investment planning and analysis, enabling them to understand the importance of professional investment of financial resources. • By completing the course, students will acquire theoretical knowledge and practical skills used by professional investors in financial markets. • Students will be trained to understand the investment environment and the specifics of alternative sources of financing investment activities. • Through mastering investment planning concepts, students will gain knowledge that will enable them to select the most appropriate investment strategy using practical, real-world examples.			
Course content <i>Theoretical lecture</i> Conceptual characteristics of investment theory; • Investment environment; • Investment planning; • Financing of investment activities; • Methods of securities analysis; • Securities trading; • Banks as investors in securities; • The yield curve and investment portfolio formation strategies; • Risks associated with investing in specific types of securities. <i>Practical lectures</i> Other methods of teaching. Within this part, two tests will be worked.			
Literature: Reilly, F. K., Brown, K. C., & Leeds, S. J. (2018). <i>Investment analysis and portfolio management</i> (11th ed.). Cengage Learning.			
Number of active teaching hours: 7 (lectures 2 + practice 2 + OAC 1 + RW 2)	Theoretical teaching: 2	Practical teaching: 2	
Teaching methods Theoretical instruction, practical instruction, independent student work, consultations, discussions, and other teaching methods.			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	/	Written exam	30
Practical classes	/	Oral exam	/
Tests	50		



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Seminars	20		
Examination methods can be different, the table shows only some options: (written exams, oral exams, project presentation, seminars, etc...)			
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[Table 5.2](#)

Study program: FINANCIAL TECHNOLOGIES
Type and level of studies: Master's studies (second level)
Course name: Digital Organization
Teacher/teachers: Aleksandra S. Stevanović
Language of instruction: English
Course status: Elective
ECTS: 8
Prerequisites: /
Semester: Winter
Course objective: Contemporary enterprises face the challenges of digital transformation, which involves adapting organizations to new technologies, new models of value creation, managing relationships with stakeholders, innovations in financial systems, and a generally changing business environment. Digital technologies increasingly shape strategy, structure, and other elements of organizational design. The <i>objectives</i> of the course are to provide students with a thorough understanding of how modern technologies influence organizational design; to develop their ability to analyze theoretical and practical approaches to digital transformation; and to equip them with knowledge of various business models within the digital ecosystem. These issues will be examined through the perspectives of organizational design and organizational behavior, enabling students not only to understand them but also to develop the appropriate competencies necessary for organizing processes in a digital environment.
Learning outcome of the course: Upon completion of this course, students are expected to be able to: <ul style="list-style-type: none">• Understand the basic principles and elements of organizational design• Identify the challenges and opportunities that digital transformation brings to organizations• Apply principles of organizational design to the development and optimization of digital business models• Design and adapt jobs and work roles in a digital environment• Effectively manage organizational change in the context of digital transformation• Understand the implications of modern technologies for organizational behavior• Innovatively solve organizational problems within digital business ecosystems
Course content <i>Theoretical lectures:</i> Concept and models of organizational design; Elements of organizational design – strategy, structure, processes, people, and reward systems; Concepts of digital transformation and Society 5.0; The impact of modern technologies on organizational design, including digital technologies and various forms of technological innovation in business and financial systems; Platform models and digital business ecosystems; Changes in the nature of work and job roles, job design in the digital organization; The perspective of organizational transformation; Implications of digitalization for organizational behavior. <i>Practical lectures:</i> case study analysis, student research work, and teamwork focused on solving practical problems.
Literature: <ol style="list-style-type: none">1. Weill, P. & Woerner, S. L. (2018). <i>What's your digital business model?</i> Harvard Business Review Press. Boston, Massachusetts.2. Snow, C.C., Fjeldstad, Ø.D., & Langer, A.M. (2017). Designing the digital organization. <i>Journal of Organization Design</i>, 6, 1-13.3. Galbraith, J. R. (2014). Organizational Design Challenges Resulting from Big Data. <i>Structural Dimensions & Organizational Behavior, Journal of Organizational Design</i>, 3(1), 2-13.



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Number of active teaching hours: 7 (lectures 2 + practice 2 + OAC 1 + RW 2)	Theoretical teaching: 2	Practical teaching: 2	
Teaching methods Theoretical lectures, practical lectures, independent student work, consultations, discussions, and other teaching.			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	10	Written exam	/
Practical classes	10	Oral exam	30
Tests	30		
Seminars	20		
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[Table 5.2](#)



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Study program: FINANCIAL TECHNOLOGIES
Type and level of studies: Master's studies (second level)
Course name: Optimizatoin Methods and Models in Decision Making
Teacher/teachers: Predrag M. Mimović
Language of instruction: English
Course status: Elective
ECTS: 8
Prerequisites: /
Semester: Winter
Course objective: The overarching objective of the course is to equip students with a thorough understanding of the principles, models, and methods underlying optimization, while providing practical experience in applying these concepts to real-world problems. By integrating theoretical foundations with hands-on modeling, programming, and problem-solving activities, the course prepares students not only as theorists, but also as practitioners capable of contributing effectively to their fields of interest. Upon completion, students will possess relevant theoretical knowledge and applied skills, enabling them to initiate change and enhance efficiency in finance, as well as in other organizations and society as a whole.
Learning outcome of the course: By attending this course, students will acquire: • The ability to critically analyze and solve problems faced by decision-makers at all levels of management, including the capacity to decompose complex, multidimensional problems and derive effective solutions; • Theoretical foundation combined with practical application skills, enabling students to balance conceptual understanding with hands-on problem solving and to contribute promptly and effectively to their chosen fields; • Interdisciplinary knowledge, as optimization is inherently interdisciplinary, allowing students to apply acquired knowledge to financial technology while fostering innovation and efficiency.
Course content <i>Theoretical lecture</i> Combined linear programming problems: fractional linear programming and applications; Data Envelopment Analysis (DEA); network optimization; foundations of multi-objective optimization and selected solution methods. <i>Practical lectures</i> Presentations of papers; solving and analyzing economic problems using the software packages Excel QM, DEA SOLVER, Oracle Crystal Ball as well as other software packages to support multi-criteria decision-making and optimization.
Literature: <ol style="list-style-type: none">1. Miranda, J.L. (2022). Introduction to Optimization based Decision Making, CRC Press, Taylor Francis Group.2. Anderson, D.R., Sweeney, D.J., Williams, T.A., Wisniewski, M. (2014). An Introduction to Management Science: Quantitative Approaches to Decision Making, Cengage Learning EMEA, Cheriton House, North Way, Andover, Hampshire, SP10, 5BE United Kingdom.3. Render, B., Stair, R.M., Hanna, M.E. (2009). Quantitative Analysis for Management, Pearson Education International.4. Cooper, W., Seiford, L., Tone, K. (2007). Data Envelopment Analysis: A Comprehensive Text with



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Models, Applications, References and DEA – Solver Software, Springer.			
Number of active teaching hours: 7 (lectures 2 + practice 2 + OAC 1 + RW 2)	Theoretical teaching: 2	Practical teaching: 2	
Teaching methods Theoretical instruction, practical instruction, independent student work, consultations, discussions, and other teaching methods.			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	5	Written exam	30
Practical classes	5	Oral exam	30
Tests	20		
Seminars	10		
Examination methods can be different, the table shows only some options: (written exams, oral exams, project presentation, seminars, etc...)			
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[Table 5.2](#)



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Study program: FINANCIAL TECHNOLOGIES		
Type and level of studies: Master's studies (second level)		
Course name: Artificial Intelligence		
Teacher/teachers: Zoran S. Kalinić		
Language of instruction: English		
Course status: Compulsory		
ECTS: 8		
Prerequisites: /		
Semester: Summer		
Course objective: The objective of the course is to introduce students to the basic ideas and concepts of artificial intelligence, its most important methods and techniques, the most important software solutions and tools for its implementation, areas and examples of application in practice, with a special emphasis on application in economics and business (finance, marketing, sales, production, etc.), as well as the common problems and risks in its implementation.		
Learning outcome of the course: Knowledge and understanding of the basic concepts, methods and techniques of artificial intelligence, the most important models and areas of application, as well as technologies for developing solutions based on artificial intelligence. Understanding the application of artificial intelligence in various areas of business (finance, sales, marketing, business automation, etc.) Practical knowledge and skills on methods, techniques and software tools for developing models based on artificial intelligence techniques in the field of economics and business.		
Course content <i>Theoretical lecture</i> Basic concepts and history of artificial intelligence. Problem-solving methods. Artificial intelligence methods and techniques. Machine learning. Training methods. Supervised and unsupervised learning. Artificial neural networks - basic concepts, types and characteristics. Deep learning. Software solutions and tools for developing models based on artificial intelligence. Generative artificial intelligence and large language models. Application of artificial intelligence in finance, marketing, sales, etc. Security, moral and ethical issues in the application of artificial intelligence. Development perspectives. <i>Practical lectures</i> Analysis of contemporary models and systems based on artificial intelligence. Analysis and practical work on software tools and services that enable the development and testing of models based on artificial intelligence techniques in various areas of economics and business (finance, marketing, sales, etc.).		
Literature: <i>Compulsory:</i> <ol style="list-style-type: none">Rose, D., <i>Artificial Intelligence for Business</i>, 2nd edition, Pearson FT Press, 2020, ISBN: 978-0-13-655661-9, 272 pages<i>Artificial intelligence</i>, teaching materials in e-form, website of the Faculty of Economics in Kragujevac. <i>Additional:</i> <ol style="list-style-type: none">Russell, S. and Norvig, P., <i>Artificial Intelligence: A Modern Approach</i>. 4th Global ed., Pearson, 2021.Ching, L.Y., <i>Artificial Intelligence in Finance</i>, Bibliotex, 2024, 318 стр.Sterne, J., <i>Artificial Intelligence for Marketing</i>, Wiley, 2017, 344 стр.Ferrari, A., <i>Artificial Intelligence and Machine Learning in Finance: Addressing Complex Problems and ESG Applications</i>, 2025, Virtus Interpress, 108 стр.Gentsch, P., <i>AI in Marketing, Sales and Service: How Marketers without a Data Science Degree can use AI, Big Data and Bots</i>, Palgrave MacMillan, 2019, 271 стр.		
Number of active teaching hours: 7 (lectures 2 + practice 2 + OAC 1 + RW 2)	Theoretical teaching: 2	Practical teaching: 2
Teaching methods Theoretical instruction, practical instruction, independent student work, consultations, discussions, and other teaching		



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



methods.			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity during lectures	5	Written exam	25
Practical classes	/	Oral exam	25
Tests	25		
Seminars	20		
Examination methods can be different, the table shows only some options: (written exams, oral exams, project presentation, seminars, etc...)			
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[Table 5.2](#)



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Study program: FINANCIAL TECHNOLOGIES		
Type and level of studies: Master's studies (second level)		
Course name: Internship		
Teacher/teachers: Mentor		
Language of instruction: English		
Course status: Mandatory		
ECTS: 3		
Prerequisites: Completed first semester		
Semester: Summer		
Course objective: The goals of internship are for the student to: <ul style="list-style-type: none"> • Apply and enhance knowledge and skills in the field of financial technologies acquired through mandatory and elective courses offered in the study program. • Develop a deeper understanding of the challenges and potential technological solutions in modern financial systems and services. 		
Learning outcome of the course: Students are trained in real-world fintech environments to: <ul style="list-style-type: none"> • Analyze digital investment opportunities and fintech innovations; • Identify mechanisms for internal and external risk management and cybersecurity compliance; • Apply data-driven budgeting, forecasting, and financial modeling techniques; • Prepare, interpret, and analyze digital financial statements and real-time reporting tools; • Identify and evaluate sources of funding for fintech projects, including venture capital and crowdfunding; • Apply appropriate techniques for recording digital transactions using modern accounting and blockchain systems; • Utilize and contribute to the development of digital financial platforms, including open banking and digital identity systems; • Plan, organize, lead, and manage projects in agile and tech-driven financial environments; • Identify and critically assess the impact of alternative financial technologies on policy, regulation, and market inclusion. 		
Course content Internship is a practical component of the Financial Technologies study program, conducted in fintech companies, financial institutions, regulatory bodies, innovation hubs, or relevant technology-driven organizations. During the internship, under the supervision of professionals from these organizations, the student applies the knowledge and skills acquired through the program's mandatory and elective courses. This includes hands-on experience with digital financial systems, emerging financial technologies, and innovation-driven processes. Upon completion of the internship, the student is required to submit a report detailing the organization's activities, as well as the specific knowledge, skills, and competencies developed during the professional engagement.		
Literature: /		
Number of active teaching hours	Theoretical teaching:	Practical teaching:
Teaching methods Internship involves the student's participation in the business activities of the chosen employer. After completing the internship, the student prepares the Report on Internship, which is signed by the student and the employer's representative.		
Examination methods (maximum 100 points): passed, failed		
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[Table 5.2](#)



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Study program: FINANCIAL TECHNOLOGIES		
Type and level of studies: Master's studies (second level)		
Course name: Master thesis – research		
Teacher/teachers: Mentor		
Language of instruction: English		
Course status: Mandatory		
ECTS: 10		
Prerequisites: Passed three courses of the study program		
Semester: Summer		
Course objective: The objectives of the research for the master thesis are for the student to demonstrate that he/she: <ul style="list-style-type: none">• mastered the knowledge and skills necessary to identify and formulate problems and potential solutions to the problems of theory and practice of financial technologies and• qualify for independent research work in the field of financial technologies.		
Learning outcome of the course: Students are trained to: <ul style="list-style-type: none">• identify relevant and current problems of financial technologies;• choose and/or develop theoretical and empirical research methodologies;• analyze and solve problems of financial technologies;• research and critically review sources of literature and information, and• formulate the relevant aspects of the research on the problems of financial technologies.		
Course content With the help of the selected mentor, the student chooses the topic of the master thesis and prepares the Application for the master thesis, which is proposed for adoption by the Teaching and Research Council of the faculty. The master thesis application defines the subject and goal, structure, methodology, expected results and literature of the master thesis.		
Literature: Relevant and current domestic and foreign sources of literature in the field of financial technologies, which the student chooses in consultation with the mentor.		
Number of active teaching hours	Theoretical teaching:	Practical teaching:
Teaching methods In consultation with the mentor, the student conducts the research work and prepares and submits the Application for the master thesis.		
Examination methods (maximum 100 points): approved Master thesis application		
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[Table 5.2](#)



УНИВЕРЗИТЕТ У КРАГУЈЕВЦУ
ЕКОНОМСКИ ФАКУЛТЕТ

UNIVERSITY OF KRAGUJEVAC
FACULTY OF ECONOMICS
AND BUSINESS



Study program: FINANCIAL TECHNOLOGIES		
Type and level of studies: Master's studies (second level)		
Course name: Master thesis – preparation and defense		
Teacher/teachers: Mentor		
Language of instruction: English		
Course status: Mandatory		
ECTS: 7		
Prerequisites: Passed all courses of the study program		
Semester: Summer		
Course objective: The goals of preparation and defense of a master thesis are for the student to demonstrate that he/she: <ul style="list-style-type: none">• mastered knowledge and skills in the field of financial technologies,• is capable of independent written and oral presentation of problems and potential solutions to the problems of theory and practice of financial technologies, and• qualifies to continue doctoral academic studies.		
Learning outcome of the course: Students are trained to: <ul style="list-style-type: none">• independently analyze and solve problems of theory and practice of financial technologies;• apply the methodology of theoretical and empirical research;• accurately and clearly present research results in writing;• accurately and clearly present and defend research results orally.		
Course content The master thesis is a student's research work in which he/she deals with either a theoretical or an applied or a theoretically applied problem in the field of financial technologies. The master thesis contains an introduction, the main part of the work, which includes a presentation of theoretical and practical results related to the topic of the work, a conclusion in which the student presents the results obtained through the preparation of the master thesis and a review of the literature used in the preparation of the work.		
Literature: Relevant and current domestic and foreign sources of literature in the field of financial technologies, which the student chooses in consultation with the mentor.		
Number of active teaching hours	Theoretical teaching:	Practical teaching:
Teaching methods In consultation with the mentor, the student writes and defends the written master thesis.		
Examination methods (maximum 100 points): passed with distinction, passed, failed		
*maximum length is 2 pages A4 format		