

**Attachment
to the Resolution of the Senate
no. of**

STUDY PROGRAM

BASIC INFORMATION

Study Program	European Banking and Insurance in Digital Environment
Level of Studies	Master's Degree
Study Profile	General academic profile
Language of Instruction	English
Form of Study	Full-time
Number of Semesters	3
Degree Level	Master
Concentration (if applicable)	-

ASSIGNMENT OF THE PROGRAM TO FIELDS AND DISCIPLINES

DISCIPLINE	Social Sciences		
Scientific Discipline(s): <i>if the field of study is related to two or more disciplines, it is also required to specify the percentage share of the number of ECTS points for each discipline in the total number of ECTS points necessary to complete the studies - indicating the main discipline</i>	Disciplines	ECTS	% ECTS
	Main discipline: Economics and Finance	78	94%
	Culture and Religion Studies	5	6%

PROGRAM CHARACTERISTICS

concepts and learning objectives / relationship with the University mission and strategy / socio-economic need

The field of study is commercial and is dedicated primarily for foreign students who have completed the bachelor's studies. It implements the mission of the University by offering an educational program containing theoretical and practical elements and preparing graduates to use the acquired competences in the broadly understood labor market, in particular in international organizations of the financial services sector for business and private entities operating in the global environment - especially in the European financial market. Due to the willingness to create a new profile of a future graduate, adequate to the anticipated market needs, a high level of cooperation between institutes and collegiums is planned, which will enable to offer the broadest possible and interdisciplinary didactic offer in this field of study.

NUMBERS OF CLASSROOM HOURS

Total numbers of classroom hours	600
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NUMBERS OF ECTS POINTS:

necessary for graduation	90
which a student must earn during classes with the direct participation of faculty members or other persons conducting classes	45
which a student must earn during internships (if applicable)	n/a
which a student must earn during foreign language classes	5
which a student may earn through distance learning activities	67

LEARNING OUTCOMES

The level of the Polish Qualifications Framework		Level 7
Symbol of a learning outcome for the study program	Description of the learning outcomes	Reference to the characteristics of learning outcomes (universal Bachelor's degree and Master's degree characteristics)
P_W (KNOWLEDGE) A graduate knows and understands to an in-depth degree:		
EB_W01	selected phenomena, theories and methods in the field of banking and insurance in an in-depth degree, with particular emphasis on institutions operating on the European financial market	P7S_WG
EB_W02	changes in the field of digitization of the financial market and entry into the environment	P7S_WG
EB_W03	legal, political and economic conditions for the functioning of financial institutions on the European financial market	P7S_WK
EB_W04	methods of risk management in financial institutions	P7S_WG
EB_W05	knows and understands at a deepened level the concepts, scientific theories and research methodology used in the field of humanities	P7S_WG
P_U (SKILLS) A graduate is able to:		
EB_U01	formulate and solve complex problems in the field of banking and insurance by selecting appropriate sources and analytical methods, making a critical analysis on their basis and presenting and justifying conclusions	P7S_UW
EB_U02	define research questions, formulate and test research hypotheses using appropriate research methods and tools, interpret and present results in the area of banking and insurance	P7S_UW
EB_U03	communicate in English using specialized knowledge and terminology in the field of banking and insurance, communicate in a foreign language at B2+ level according to the Common European Framework of Reference for Languages; also,	P7S_UK

	knows specialized vocabulary in the field of economics and finance	
EB_U04	collaborate in a group in the implementation of team tasks	P7S_UO
EB_U05	independently plan own professional development, focused on specialization in the area of banking and insurance	P7S_UU
EB_U06	can correctly use possessed knowledge to formulate and solve unusual problems in the field of humanities	P7S_UK
P_K (SOCIAL ATTITUDES) A graduate is ready to:		
EB_K01	critically evaluate knowledge and seek expert judgment when solving problems beyond knowledge of banking and insurance	P7S_KK
EB_K02	organize activities for the social environment, think and act in an entrepreneurial way	P7S_KO
EB_K03	perform professional roles responsibly, including adherence to and development of professional ethics, with particular emphasis on ethical principles operating on the financial market	P7S_KR
EB_K04	is ready to initiate actions in the public interest in issues related to the field of humanities	P7S_KR

Explanation of symbols:

- EB - (before underscore) – study program learning outcomes of European banking and insurance in digital environment
- 01, 02 and more (after underscore) – indication of the next learning outcome
- P7S – learning outcomes according to the Polish Qualifications Framework in relation to the following detailed characteristics (knowledge - skills - social attitudes):
- WG –depth; WK – context
- UW – usage; UK – communicating; UO – organizing; UU – learning
- KK – critical approach; KR – professional role; KO – responsibility

DESCRIPTION OF THE PROCESS LEADING TO ACHIEVING LEARNING OUTCOME

STUDY PLAN¹

Year:	first
Semester:	first
Total number of classroom hours:	225
Total ECTS:	30

¹ In the case of assigning a major to more than one discipline, the subjects indicated in the study plan as compulsory classes must ensure the achievement of at least half of the learning outcomes in the main discipline (at least 51% of the ECTS points necessary to complete the major).

No	Course (title)	Class Form	No of teaching hrs.	Form of completion	ECTS	ECTS/discipline (-s)		Compulsory class (O) / Elective class (W)
						EaF	MaQS	
1	Risk Management and Insurance	K	45	E	7	7		O
2	Banking Regulations and Banking Union	K	45	E	6	6		O
3	Bank and Markets	K	45	E	7	7		O
4	Data Analytics and Databases for Finance	K	30	E	4	4		O
5	Foreign Language ²	J	30	ZO	2	2		W
6	Electives s.1 - Money in Digital Era - Asian Economic Relations -Essentials of Startups and Venture Capitals	K	30	ZO	4	3	1	W
SEMESTER TOTAL			225		30	29	1	

Year:	first
Semester:	second
Total number of classroom hours:	195
Total ECTS:	30

No	Course (title)	Class Form	No of teaching hrs.	Form of completion	ECTS	ECTS/discipline (-s)			Compulsory class (O) / Elective class (W)
						EaF	MaQS	PSaPA	
1	EU Insurance Markets and Regulations	K	30	E	5	5			O
2	Safety Net, Central Banking and Monetary pPolicy	K	30	E	5	5			O
3	Behavioral Aspects in Finance	K	45	E	6	6			O
4	Foreign Language ²	J	30	E	3	3			W
5	Electives s.2: - Globalization and Perspectives of World Change - International Arbitration - Politics and Economy of Outer Space	K	30	ZO	4	1	1	2	W
6	Diploma Seminar	S	30	Z	7	7			W
SEMESTER TOTAL			195		30	27	1	2	

Year:	second
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² Students will be able to choose a language of course from the CUE Language Center's offer.

Semester:					third					
Total number of classroom hours:					180					
Total ECTS:					30					
No	Course (title)	Class Form	No of teaching hrs.	Form of completion	ECTS	ECTS/discipline (-s)				Compulsory class (O) / Elective class (W)
						EaF	MaQS	CaIS	CaRS	
1	Cybersecurity	K	30	E	5	5				O
	Digitalization in European Banking	K	30	E	4	4				O
2	CSR in Finance	K	30	E	4	4				O
3	Electives s. 3.1 - Contemporary Cultural Challenges - Diversity and Inclusion in the Workplace	K	30	ZO	5				5	W
4	Electives s. 3.2 - Big Data - Data Science - Text Mining and Social Media Analysis	K	30	ZO	4	1	1	2		W
5	Diploma Seminar	S	30	Z	8	8				W
	SEMESTER TOTAL		180		30	22	1	2	5	

Total learning hours: 600

Total ECTS: 90

LEARNING OUTCOMES AND COURSE CONTENT ASSIGNED FOR THE CLASSES (drawn up for courses indicated in the study plan)

1	Course title Risk Management and Insurance
2	Language of Instruction English
3	Accomplished Learning Outcomes (program and course – description of outcomes) P_W (KNOWLEDGE) The graduate knows and understands selected phenomena, theories and methods in the field of risk management and insurance in an in-depth degree, with particular emphasis on institutions operating on the European financial market (EB_W01), methods of risk management in financial institutions, mainly - insurance institutions (EB_W04). P_U (SKILLS) The graduate is able to formulate and solve complex problems in the field of risk management and insurance (EB_U01), define research questions, formulate and test research hypotheses using appropriate research methods and tools, interpret and present results in the area of risk management and insurance (EB_U02). P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate knowledge and seek expert judgment when solving problems beyond knowledge of risk management and insurance (EB_K01).
4	Course content - Risk and risk Management - Probability theory and risk - Elements of the utility theory - Making decisions under uncertainty and risk

	<ul style="list-style-type: none"> - Introduction to insurance - Insurance contract - Insurance premium - Indemnity - Financial management of insurance companies - Introduction to social security systems - Population ageing and theoretical foundations of pension systems - Retirement age - Old-age security systems in foreign countries
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1	Course title
	Bank and Markets
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands the economic conditions of banks in the European financial market (EB_W03), methods of risk management in banks taking into account their role in the financial market (EB_W04).</p> <p>P_U (SKILLS) The graduate is able to formulate and solve complex problems in the field of banking by selecting appropriate sources and analytical methods (EB_U01).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate knowledge and seek expert judgment when solving problems beyond knowledge of banking in European market (EB_K01).</p>
4	Course content
	<ul style="list-style-type: none"> -The concept of a bank and types of banks in the European economy, -Basic regulation in European banking, -The financial market and its segments. Types of financial instruments. -Bank in the money market - fundraising, placement of surpluses and risk management instruments, -Bank in the capital market - fundraising, placement of surpluses and risk management instruments, -Bank in the foreign exchange market, -Selected products and services of specialized banks - investment and mortgage banking, -Bank in the macroeconomic environment - monetary policy instruments of the central bank, micro- and macro-prudential banking supervision, deposit guarantee rules.

1	Course title
	Banking Regulations and Banking Union
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands in depth selected phenomena, theories and methods in the field of banking regulation in the EU (EB_W01), changes in financial market regulation taking into account the digital environment (EB_W02).</p> <p>P_U (SKILLS) The graduate is able to formulate and solve complex banking regulatory problems in the European banking market (EB_U01), define research questions, formulate and test research hypotheses in the area of banking regulation (EB_U02).</p>

	P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their knowledge and seek expert opinion when solving problems that exceed their knowledge of banking regulation (EB_K01), to perform professional roles responsibly, including adherence to and development of professional ethics with particular attention to ethical principles in the European banking market (EB_K03).
4	Course content
	<ul style="list-style-type: none"> -Institutional and legal characteristics of the EU banking industry, -Types of banks, their role and risk, -Bank regulation and supervision: post-2008 global banking reforms: the Basel 3 Capital Accord and CRD IV/CRR regulations in the EU, -The Banking Union project of the EU: Single Supervisory Mechanism , Single Resolution Mechanism and EDIS, -Strategic issues facing EU banks: the economic and technological challenge, -Bank resilience and sustainability. The impact of the Covid-19 pandemic on bank business models, -Implications of the technological revolution, bank competition and financial stability, -The ESG (Environment, Society, Governance) requirements for banks.

1	Course title
	Data Analytics and Databases for Finance
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands in depth selected phenomena, theories and methods used in data analysis to facilitate financial risk management (EB_W01), methods of risk management in financial institutions - in the field of financial data analysis (EB_W04).</p> <p>P_U (SKILLS) The graduate is able to collaborate in a group in the implementation of team tasks - in the field of financial data analysis (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate knowledge and seek expert judgment when solving problems beyond knowledge in the field of financial data analysis for finance (EB_K01).</p>
4	Course content
	<ul style="list-style-type: none"> -methods for extracting useful knowledge from data; -tools used in data analysis to facilitate financial risk management; -data mining as a tool used in fraud detection and loss minimisation; -data analysis as a tool to better understand customer behaviour and needs; -migration analysis as a tool to define the characteristics of a regular financial services customer, determine the number of active customers and identify customer churn; -data analysis in forecasting and decision support.

1	Course title
	EU Insurance Markets and Regulations
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands in depth selected phenomena, theories and methods in the development of the insurance market in the EU (EB_W01), legal, political and economic, determinants of the functioning of insurance market institutions in the EU (EB_W03).</p>

	<p>P_U (SKILLS) The graduate is able to formulate and solve complex problems in the functioning of insurance market institutions in the EU (EB_U01), cooperate in a group in the implementation of team tasks concerning the activities of insurance institutions and the implementation of insurance products in the EU (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate your knowledge in the implementation of insurance products in the EU (EB_K01).</p>
4	<p>Course content</p> <ul style="list-style-type: none"> -Basis of insurance market in EU -Development of insurance market in EU -Reinsurance market -Insurance products -Non-life insurance products -Life insurance products -Financial products in old-age security -Alternative methods of old-age security -Summary classes and debate

1	<p>Course title</p> <p>Safety Net, Central Banking and Monetary Policy</p>
2	<p>Language of Instruction</p> <p>English</p>
3	<p>Accomplished Learning Outcomes (program and course – description of outcomes)</p> <p>P_W (KNOWLEDGE) The graduate knows and understands legal, political and economic conditions of conducting monetary policy and the functioning of financial safety net institutions on the European banking market (EB_W03), main areas of the central bank's activity, with particular emphasis on the mechanisms of conducting monetary policy in conditions of uncertainty and supervisory tools of the financial safety net in limiting the risk of financial institutions (EB_W04).</p> <p>P_U (SKILLS) The graduate is able to formulate and solve complex problems in the field of safety net and central banking by selecting appropriate sources and analytical methods, making a critical analysis on their basis and presenting and justifying conclusions (EB_U01), define research questions related to the functioning of the central bank, supervisory agencies, deposit guarantee schemes, and the role of the state in financial system formulate and test research hypotheses using appropriate research methods and tools, interpret and present results in the field of central banking and the financial safety net (EB_U02).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate knowledge and seek expert judgment when solving problems beyond knowledge of central banking and the financial safety net (EB_K01).</p>
4	<p>Course content</p> <ul style="list-style-type: none"> -The learning content includes, among others, the following topics: -Financial system and financial stability -Central banks and their main areas of activity -Money demand, supply and price -Inflation and inflation expectations -Monetary policy: goals, strategies, instruments -Monetary policy transmission mechanisms

	<ul style="list-style-type: none"> -The role of the central bank, the state, the financial supervisor and the deposit guarantee scheme in the financial safety net -European financial safety net regulation (with special emphasis on resolution mechanisms) -Analysis of rules for effective banking supervision - Basel Committee on Banking Supervision -Supervisory regulations in selected European countries -Deposit guarantee schemes in Europe -Legal basis and principles of functioning of the compensation system in the financial market -Characteristics of banking activity risks in the context of supervisory regulations -Risk estimation methodology in banking activity according to supervisory standards - market and credit risk -Risk assessment methodology in banking activity according to supervisory standards - operational risk
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1	Course title
	Behavioral Aspects in Finance
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands behavioral research methods in the field of finance. The student knows deviations from the neoclassical assumptions of the theory of finance regarding the decision-making process (EB_W01).</p> <p>P_U (SKILLS) The graduate is able to identify mistakes made while making financial decisions and is able to explain them in the light of decision theory under risk conditions (EB_U02), collaborate in a group in the implementation of team tasks, specially in behavioral aspects in finance (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to correct and critical assessment of the decision-making process, taking into account experimental and behavioral research (EB_K01).</p>
4	Course content
	<ul style="list-style-type: none"> -Economic decisions - basic concepts of decision theory -Rationality and irrationality of economic behavior. -Behavior of paying taxes. -Definition of money in economics and psychology, types and functions of money. Dualistic nature of money. Perception of money and the illusion of money. Attitudes toward money and their measurement. -Saving, theories of saving, motives and functions of saving, research on household saving. -Getting into debt, debt vs. credit, attitudes toward getting into debt. -Insurance. Motives for insurance decisions

1	Course title
	Cybersecurity
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands cybersecurity and cyber risk management methods (EB_W02).</p> <p>P_U (SKILLS) The graduate is able to apply cyber risk management methods in order to minimize the financial consequences of this risk (EB_U02).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to initiating activities related to the dissemination of acquired knowledge and skills in the field of cybersecurity (EB_K01).</p>

4	Course content
	<ul style="list-style-type: none"> -Introduction to cyber security problems -National cyber security system -Personal data protection (RODO) -Cyber risk management (ISO 27001 standard) -Cyber insurance -Economics of cyber security -Cyber threats - case study -National cyber security system - case study

1	Course title
	Digitalization in European banking
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands changes in the digitization of the financial market and the functioning of entities in the digital environment (EB_W02).</p> <p>P_U (SKILLS) The graduate is able to formulate and solve complex problems in the digitalization of the banking market (EB_U01), independently plan their own professional development, aimed at specialization in the area of digitalization of the banking market (EB_U05).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to to critically evaluate their knowledge and consult experts when solving problems in the area of digitization of the banking market (EB_K01).</p>
4	Course content
	<ul style="list-style-type: none"> -Analysis of the regulation of innovative services in banking, -Development of modern distribution channels for financial products (mobile banking/open banking channel), -Analysis of applications of fintech companies' solutions in banking (biometrics, robotics), -Product strategies of challenger banks and FinTech companies in EU, -FinTech companies in the financial market - opportunities and threats to the stability of the financial sector,

1	Course title
	CSR in Finance
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands legal, political and economic conditions of CSR in finance (EB_W01).</p> <p>P_U (SKILLS) The graduate is able to formulate and solve complex problems in the field of CSF in finance by selecting appropriate sources and analytical methods, making a critical analysis on their basis and presenting and justifying conclusions (EB_U01), collaborate in a group in the implementation of team tasks in aspects of CSR in finance (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready critically evaluate knowledge and seek expert judgment when solving problems beyond knowledge of CSR in finance (EB_K01).</p>
4	Course content
	-Pioneers and types of corporate social responsibility,

<ul style="list-style-type: none"> -Corporate social responsibility and sustainable development, -Corporate social responsibility and innovation in finance, -Corporate social responsibility and marketing in finance, -Communicating corporate social responsibility, -Corporate social responsibility and reporting in banking and insurance, -Corporate social responsibility management systems, -New trends in corporate social responsibility, -Arguments for and against corporate social responsibility.

Electives:

1	Course title
	Money in Digital Era (Electives s.1)
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena referring to contemporary money (EB_W01), trends on international financial markets (EB_W02).</p> <p>P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems referring to money in digital era by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), interact with other people in a teamwork, plan and organize various ventures or projects (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge in the field of money in digital era (EB_K01), recognize the need of applying professional knowledge when analysing and solving cognitive or practical issues (EB_K02).</p>
4	Course content
	<p>Span financial technology (fintech)</p> <p>Technologies relevant to digital currencies and payments</p> <p>Characteristics of various digital currencies</p> <p>Regulatory frameworks relating to digital currencies and payments/fintech</p> <p>Strategic business opportunities and risks in digital payments</p>

1	Course title
	Asian Economic Relations (Electives s.1)
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena referring to Asian economic relations (EB_W01), contemporary problems and phenomena in a complex social, economic and political context (EB_W05).</p> <p>P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems referring to Asian economic relations by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), interact with other people in a teamwork, plan and organize various ventures or projects (EB_U04).</p>

	P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge in the field of Asian economic relations (EB_K01), think and act in an entrepreneurial way (EB_K03).
4	Course content
	<p>“Asian values” debate</p> <p>Trans-regional economic integration in the Asia-Pacific</p> <p>Asian regional organizations (e.g. the Asian Infrastructure Investment Bank)</p> <p>Rivalry between China and the United States in the Indo-Pacific</p> <p>Major Asian powers: China, India, Japan, and South Korea</p>

1	Course title
	Essentials of Startups and Venture Capitals (Electives s.1)
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena referring to startups and venture capitals (EB_W01), trends on international financial markets (EB_W02).</p> <p>P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems referring to startups and venture capitals by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), interact with other people in a teamwork, plan and organize various ventures or projects (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge in the field of startups and venture capitals (EB_K01), recognize the need of applying professional knowledge when analysing and solving cognitive or practical issues (EB_K02).</p>
	Course content
	<p>Venture financing – investment cycle</p> <p>Types of investors in venture financing</p> <p>Fundraising</p> <p>Valuation</p> <p>Venture capitalists</p> <p>Negotiating deals</p> <p>Scaling up and scaling down</p> <p>Cashing on success</p>

1	Course title
	Globalization and Perspectives of World Change (Electives s.2)
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena referring to globalization and perspectives of world change (EB_W01), trends on international financial markets (EB_W02).</p>

	<p>P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems referring to startups and venture capitals by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), interact with other people in a teamwork, plan and organize various ventures or projects (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge referring to globalization and perspectives of world change (EB_K01), recognize the need of applying professional knowledge when analysing and solving cognitive or practical issues (EB_K02).</p>
4	<p>Course content</p> <p>Historical perspectives on globalization Politics of globalization Globalization and economic processes: trade, markets, capitalism Ideological processes: religion, science, '-isms', and beliefs Globalization and social dynamics Scenarios for the future</p>

1	<p>Course title</p> <p>Politics and Economy of Outer Space (Electives s.2)</p>
2	<p>Language of Instruction</p> <p>English</p>
3	<p>Accomplished Learning Outcomes (program and course – description of outcomes)</p> <p>P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena referring to politics and economy of outer space (EB_W01), trends on international financial markets (EB_W02).</p> <p>P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems referring to politics and economy of outer space by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), interact with other people in a teamwork, plan and organize various ventures or projects (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge referring to politics and economy of outer space (EB_K01), recognize the need of applying professional knowledge when analysing and solving cognitive or practical issues (EB_K02).</p>
4	<p>Course content</p> <p>Problems of definition and measurement Political perspectives of space Military role of space Space Technology Transfer, Spin-offs, Spin-in, Innovation Government vs Private financing Space technology development perspectives</p>

1	<p>Course title</p> <p>International Arbitration (Electives s.2)</p>
2	<p>Language of Instruction</p> <p>English</p>
	<p>Accomplished Learning Outcomes (program and course – description of outcomes)</p>

3	<p>P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena referring to international arbitration (EB_W01), trends on international financial markets (EB_W02).</p> <p>P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems referring to international arbitration by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), interact with other people in a teamwork, plan and organize various ventures or projects (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge referring to international arbitration (EB_K01), recognize the need of applying professional knowledge when analysing and solving cognitive or practical issues (EB_K02).</p>
4	<p>Course content</p> <p>Private vs. Public Dispute Resolution “Arbitration” Distinguished from Other Forms of Private Dispute Resolution Pros and Cons of Arbitration in Consumer and Employment Contracts Proper Scope of Arbitration in Light of Historical Context and Current Public Policy Procedural Reforms and Roles of Arbitration Institutions and their Rules Domestic vs. International dispute resolution, and importance of cultural and legal differences among disputing parties Institutional arrangements for international arbitration</p>

1	Course title
	Contemporary Cultural Challenges (Electives s.3.1)
2	<p>Language of Instruction</p> <p>English</p>
3	<p>Accomplished Learning Outcomes (program and course – description of outcomes)</p> <p>P_W (KNOWLEDGE) The graduate knows and understands at a deepened level the concepts, scientific theories and research methodology used in the field of humanities (EB_W05).</p> <p>P_U (SKILLS) The graduate can correctly use possessed knowledge to formulate and solve unusual problems in the field of humanities (EB_U06).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to initiate actions in the public interest in issues related to the field of humanities (EB_K04).</p>
4	<p>Course content</p> <p>Culture and the challenges for the management of Multinational Enterprises The nature and definition of national culture from different theoretical perspectives National stereotypes and key dimensions of culture (two levels of culture, Hofstede's four dimensions of culture, Trompenaar's seven dimensions of culture, the GLOBE project's nine dimensions of culture) Social perceptions: the understanding and awareness of the impact of national culture, social conditioning, personal biases and subconscious assumptions, self-reference criteria, group norms The impact of the above on cross-cultural leadership, communication and negotiations The Global-local dilemma Managing ethical and social responsibility challenges in multinational enterprises</p>

1	Course title Diversity and Inclusion in the Workplace (Electives s.3.1)
2	Language of Instruction English
3	Accomplished Learning Outcomes (program and course – description of outcomes) P_W (KNOWLEDGE) The graduate knows and understands at a deepened level the concepts, scientific theories and research methodology used in the field of humanities (EB_W05). P_U (SKILLS) The graduate can correctly use possessed knowledge to formulate and solve unusual problems in the field of humanities (EB_U06). P_K (SOCIAL COMPETENCES) The graduate is ready to initiate actions in the public interest in issues related to the field of humanities (EB_K04).
4	Course content Defining diversity and measuring it Equity, diversity and inclusion Sex and gender in organizations Race and ethnicity in organizations Age and ageism in organizations People with disabilities in organizations Creating a LGBTQ+ inclusive work environment Embedding diversity and inclusion into HRM practices

1	Course title Data Science (Electives s.3.2)
2	Language of Instruction English
3	Accomplished Learning Outcomes (program and course – description of outcomes) P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena referring to data science (EB_W01). P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems referring to data science by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), interact with other people in a teamwork, plan and organize various ventures or projects (EB_U04). P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge referring to data science (EB_K01), recognize the need of applying professional knowledge when analysing and solving cognitive or practical issues (EB_K02).
4	Course content Introduction to Numpy (Arrays, linear algebra, statistical functions) Data analysis with Pandas (time series analysis and forecasting) Data visualization and dashboards Elements of probability and statistical reasoning Supervised and unsupervised learning Statistical classification Machine learning Deep Learning Elements of Computer Vision

1	Course title
	Big Data (Electives s.3.2)
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena referring to big data (EB_W01).</p> <p>P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems referring to big data by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), interact with other people in a teamwork, plan and organize various ventures or projects (EB_U04).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge referring to big data (EB_K01), recognize the need of applying professional knowledge when analysing and solving cognitive or practical issues (EB_K02).</p>
4	Course content
	<p>Introduction to data analysis (Data loading and the basics of working with data in Excel; obtaining datasets and loading into MS Excel 365; introduction to data cleaning; data types; pivot tables)</p> <p>Data mining, working with data in Excel and elements of descriptive statistics (Graphs of one variable and descriptive statistics with elements of statistical inference, Data Story Telling; exploratory analysis)</p> <p>Organizing and combining data in Excel; pivot charts; methods of correlation and regression analysis for two-dimensional data; linear correlation coefficient R^2 and its significance</p> <p>Introduction to time series analysis and forecasting; working with add-ins in Excel and libraries in programming</p> <p>Elements of Python and R for data analysis and visualization (Python and R - basics of data manipulation, Pandas, Webscrapping)</p> <p>Python and R for reporting (Markdown and automatic reports in Python)</p> <p>Elements of SQL (SQL fundamentals, Boolean logic and algebra basics, extra clauses, set operations, subqueries, tables, manipulating records in a database, Join and Cascade)</p> <p>Data visualization with Plotly, R and Python</p> <p>Tableau and Power BI for visualization and dashboards</p>

1	Course title
	Text Mining and Social Media Analysis (Electives s.3.2)
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena referring to text mining and social media analysis (EB_W01).</p> <p>P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems referring to text mining and social media analysis by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), interact with other people in a teamwork, plan and organize various ventures or projects (EB_U04).</p>

	P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge referring to text mining and social media analysis (EB_K01), recognize the need of applying professional knowledge when analysing and solving cognitive or practical issues (EB_K02).
4	Course content
	<p>Elements of R programming in the context of social media</p> <p>Downloading social media data (connecting to Twitter, Text scrapping)</p> <p>Text data cleaning and manipulation</p> <p>Word clouds</p> <p>Working with strings and regular expressions</p> <p>Network models and graphical analysis</p> <p>Sentiment analysis and visualization</p>

Foreign language

1	Course title
	Foreign Language
2	Language of Instruction
	Students will be able to choose a language of course from the CUE Language Center's offer
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	<p>P_W (KNOWLEDGE) The graduate knows and understands contemporary problems and phenomena in a complex social, economic and political context (EB_W05).</p> <p>P_U (SKILLS) The graduate is able to communicate in foreign language with diverse audiences on specialist subjects in the fields of corporate finance, financial markets and accounting (EB_U03, EB_U06).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their oral and writing skills in foreign language (EB_K01), responsible perform professional roles in international environment (EB_K04).</p>
4	Course content
	Basic issues of economics and business (recruitment, management, marketing, sales, ICT, company organization and finance, corporate culture, business ethics) in accordance with the syllabus available on the CJ website and taking into account the language level according to the CEFR scale. Elements of the language system knowledge, appropriate for the language level (grammar, syntax, phraseology, phonetics) according to the CJ syllabus and taking into account the language level according to the CEFR scale. Commercial / business correspondence taking into account the specificity of the field of study according to the CJ syllabus and the language level according to the CEFR scale. Soft skills and intercultural communication according to the CJ syllabus.

Diploma seminar

1	Course title
	Diploma Seminar
2	Language of Instruction
	English

3	<p>Accomplished Learning Outcomes (program and course – description of outcomes)</p> <p>P_W (KNOWLEDGE) The graduate knows and understands advanced theories and research methods explaining the complexity of phenomena in the field of international finance, with a special focus on corporations operating on a global markets (EB_W01), contemporary problems and phenomena in a complex social, economic and political context (EB_W05).</p> <p>P_U (SKILLS) The graduate is able to identify and solve complex and non-standard problems in the field of international financial management, by selecting appropriate sources and analytical methods, making a critical analysis on them as well as presenting and justifying conclusions (EB_U01), define research questions, state and test research hypotheses apply appropriate research methods and tools, interpret and present the results (EB_U02), independently plan and implement their own development in the field of financial management, in particular in multinational corporations (EB_U05).</p> <p>P_K (SOCIAL COMPETENCES) The graduate is ready to critically evaluate their own knowledge (EB_K01).</p>
4	<p>Course content</p> <p>Discussion on contemporary issues in international financial management</p> <p>Selection of research area and development of research framework</p> <p>Review of key theories and concepts related to analysed problems</p> <p>Definition of the research problem, research questions and hypotheses</p> <p>Thesis writing techniques, citations, paraphrasing, problem of plagiarism.</p> <p>Writing theoretical chapters of MA thesis</p> <p>Data collection and analysis, interpretation of results.</p> <p>Reporting the empirical part.</p> <p>Discussion on conclusions.</p> <p>Submission of the final version of MA thesis.</p>

GRADUATION REQUIREMENTS

Graduation Requirements (thesis / final exam / other)	The completion of studies takes place after passing all the courses from the study plan, submitting the diploma thesis and passing the viva.
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