

STUDY PROGRAM

BASIC INFORMATION

Study Program	International Logistics
Level of Studies	Second-degree studies
Study Profile	Academic
Language of Instruction	English
Form of Study	Stationary
No of Semesters	3
Degree Level	MSc
Concentration (<i>if applicable</i>)	

ASSIGNMENT OF THE PROGRAM TO FIELDS AND DISCIPLINES

DISCIPLINE	Social Sciences		
Scientific Discipline(s): 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	Discipline	ECTS	% ECTS
	Management and quality studies (leading discipline)	61	100%

PROGRAM CHARACTERISTICS

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

Second-degree studies in the field of International Logistics carry out the mission of the University through a universal education program, containing theoretical and practical elements, as well as preparing graduates to use the acquired competences on the labor market. Studies are interdisciplinary in nature - students gain knowledge in the area of management and quality sciences, as well as technical and IT. The study program has been designed to allow the graduates have the competences necessary to work in a diverse international environment. The aim of the studies is to familiarize students with the impact of globalization processes on logistics systems, to show the complexity and multifaceted nature of international logistics management systems and to show the possibilities and conditions for shaping logistics in an interdisciplinary approach.

International Logistics graduates have qualifications that enable them to work in logistics companies operating on an international scale, foreign corporations and other economic organizations as logistics specialists in commercial, service and industrial enterprises. The studies prepare for work in forwarding and transport companies, logistic service centers, logistics distribution centers and consulting companies.

NO OF CLASSROOM HOURS

Total no of classroom hours	600
-----------------------------	-----

NO OF ECTS POINTS:

necessary for graduation	91
which a student must earn during classes with the direct participation of faculty members or other persons conducting classes	46
which a student must earn during internships <i>(if applicable)</i>	5
which a student must earn during foreign language classes	5
which a student may earn through distance learning activities	68

INTERNSHIPS (if applicable):

No of hours	4 weeks
Objective	<p>The main goal of the internship is to acquire practical skills, supplementing and deepening the knowledge acquired by the student in the course of didactic classes at the university. Implementation of internships makes it possible to confirm and develop the student's professional competences within the chosen field of study, as well as to obtain general knowledge and the ability to apply knowledge in practice, and to shape attitudes towards potential employers and colleagues.</p> <p>Internship gives students the opportunity to learn about the expectations of potential future employers. Through internships, the student has the opportunity to consolidate, demonstrate and verify their skills, as well as to present the willingness to work, which in future can make finding a satisfying job much easier. The specific objectives of the internship include:</p> <ul style="list-style-type: none"> – verification of theoretical knowledge and skills acquired by students while studying at the university, including developing the ability to apply the knowledge acquired in the course of studies in practice (integration of theoretical and practical knowledge), – getting to know the conditions and specificity of work, – improving the ability to plan working time, effective communication in cooperation with a team of employees, – shaping perceptiveness and the ability to think independently and critically, <p>getting to know the professional environment - by observing and imitating the behavior of other employees, students learn about the scope of their future duties,</p> <ul style="list-style-type: none"> – the possibility of assessing the labor market, learning about the expectations of employers towards future employees in terms of knowledge, skills and attitudes, including ethical foundations, and comparing them with their own possibilities on the labor market, – establishing professional contacts, useful while looking for a job or searching for an entity for research conducted as part of the master's thesis.
Rules and a mode of accomplishing	The rules for internships are regulated by the Resolution of the Rector of the University of Economics in Krakow No. R.0211.16.2022 of March 23, 2022 on the detailed organization of student internships.

	<p>Forms of carrying out: The internship ship may be carried out in an institution chosen by the student, that enables the student to achieve the objectives of the subject.</p> <p>The place of student internships should be in line with the profile of education in the field of International Logistics. Internships should take place in: international logistics companies, other commercial or non-commercial organizations whose activities directly relate to the field of study.</p>
Rules and a mode of completion	The rules and mode of completion internships are regulated by the Resolution of the Rector of the University of Economics in Krakow No. R.0211.16.2022 of March 23, 2022 on the detailed organization of student internships.

LEARNING OUTCOMES

The level of the Polish Qualifications Framework		Level
Symbol of a learning outcome for the study program	Description of the learning outcomes	Reference to the characteristics of learning outcomes (universal first degree and second degree characteristics)
P_W (KNOWLEDGE) A graduate knows and understands:		
IL_W01	extensively facts, objects, phenomena related to management and quality sciences with particular emphasis on logistics	P7S_WG
IL_W02	advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects	P7S_WG
IL_W03	the causes and effects of current events and the need to have logistics knowledge that allows for their interpretation	P7S_WG
IL_W04	complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale.	P7S_WK
IL_W05	the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply chain	P7S_WK
IL_W06	the principles of creating and developing equal forms of individual entrepreneurship with particular emphasis on the logistics industry	P7S_WK

IL_W07	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:		
IL_U01	use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems	P7S_UW
IL_U02	use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems	P7S_UW
IL_U03	use and adapt existing methods and tools to analyze, interpret and solve complex as well as unusual logistic problems	P7S_UW
IL_U04	plan and organize individual and team work, as well as interact with other people in the implementation of tasks. Graduate can manage the work of the team, using the acquired knowledge to resolve dilemmas that arise in professional work. Graduate can also interact with other people as part of teamwork and take a leading role in the	P7S_UO
IL_U05	obtain information from various sources and make their substantive selection. Has the ability to communicate on specialist topics with diverse audiences. Has language skills and knows specialist terminology in the field of science and scientific disciplines relevant to the field of Logistics in accordance with the requirements specified for the B2 + level of the European System for the Description of Languages	P7S_UO
IL_U06	in activities, consciously take into account the need to plan and undertake self-education, updating knowledge and lifelong learning in the field of logistics	P7S_UU
IL_U07	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:		
IL_K01	to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects	P7S_KR
IL_K02	to think and act in an entrepreneurial way to initiate actions in the public interest. Graduate can predict and multi-directional social effects of his activity. Graduate is also concerned about the environmental consequences of his professional activities	P7S_KO
IL_K03	for responsible performance in professional roles, taking into account social needs. Graduate can solve social conflicts emerging in groups	P7S_KO
IL_K04	to comply with legal, economic and ethical principles in business. Identifies and resolves ethical dilemmas related to the profession. Graduate is also ready to develop the achievements of the profession and maintain the professional ethos	P7S_KO
IL_K05	to consult experts in the event of difficulties in solving logistics problems on your own	P7S_KK

IL_K06	to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own	P7S_KK
IL_K07	initiate actions in the public interest in issues related to the field of humanities	P7S_KO

DESCRIPTION OF THE PROCESS LEADING TO ACHIEVING LEARNING OUTCOME
STUDY PLAN¹

Year: Semester: Total number of classroom hours: Total ECTS:				First First 240 30					
Lp.	Course (title)	Class Form	No of teaching hrs.	Form of completion	ECTS	ECTS/discipline(s)			Compulsory class (O) / Elective class (W)
						M&QS	E&F	Other	
1	Contemporary management	K	45	Zal	6	6			O
2	Contemporary Logistics	K	30	Zal	4	4			O
3	International Business	K	30	Zal	4	4			O
4	Warehousing and distribution	K	45	Zal	6	5		1 Civil engineering, geodesy and transport	O
5	Global Business Economy	K	30	Zal	4	2	2		O
6	Foreign language	J	30	Zal	2	2			W
7	Elective I sem: - Money in Digital Era - Asian Economic Relations - Essentials of start-ups and venture capital	K	30	Zal	4	1	3		W
	SEMESTER TOTAL		240		30				

Year: Semester: Total number of classroom hours: Total ECTS:				First Second 210 31					
Lp.	Course (title)	Class Form	No of teaching hrs.	Form of completion	ECTS	ECTS/discipline(s)			Compulsory class (O) / Elective class (W)
						M&QS	E&F	Other	

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).

Załącznik nr 2 do Uchwały Senatu nr T.0022.74.2023
z dnia 25 września 2023 roku

1	CRM in logistics	K	30	Zal	4	4			O
2	International & intermodal transport	K	30	Zal	4	2		2 Civil engineering, geodesy and transport	O
3	CSR in logistics	K	30	Zal	4	4			O
4	Elective sem II – Globalization and perspectives of World Challenges – Politics and economy of outer space – International Arbitration	K	30	Zal	4	1	1	2 Political science and public administration	W
5	Foreign language	J	30	E	3	3			W
6	Supply chain risk & adaptation	K	30	Zal	4	3		1 Mathematics	O
7	Diploma thesis seminar	Sem	30	Zal	8	6		2: 1 - Information and communication technology; 1 - Civil engineering, geodesy and transport	W
	SEMESTER TOTAL		210		31				

Year: Semester: Total number of classroom hours: Total ECTS:				Second Third 150 30					
Lp.	Course (title)	Class Form	No of teaching hrs.	Form of completion	ECTS	ECTS/discipline(s)			Compulsory class (O) / Elective class (W)
						M&QS	E&F	Other	
1	E commerce logistics	K	30	Zal	4	3		1 Information and communication technology	O
2	Green&Sustainable logistics	K	30	Zal	4	2		2 Environmental engineering, mining and energy	O
3	Elective 1 sem III - Contemporary Cultural Challenges - Diversity and inclusion in the workplace	K	30	Zal	5			5 Culture and religion studies	W
4	Elective 2 sem III: - Big Data - Data Science - Text mining and social media analysis	K	30	Zal	4			4: 2 - Computer and information sciences, 2 - Mathematics	W
5	Diploma thesis seminar	Sem	30	Zal	8	6		2: 1 - Information and communication technology	W

								1 -Civil engineering, geodesy and transport	
6	Internship	Z		Zal	5	3		2: 1 -Information and communication technology; 1 -Civil engineering, geodesy and transport	O
	SEMESTER TOTAL		150		30				

METHOD OF VERIFICATION AND EVALUATION OF LEARNING OUTCOMES

The methods of verifying and evaluation of learning outcomes achieved in the education process include: examination and credit - oral, descriptive, test, preparation of a paper; preparing the project; solving problem tasks; multimedia presentations conducted and prepared individually or in groups; oral statements, active participation in discussions; case studies; evaluation of work in the preparation of the diploma thesis; diploma exam / thesis defense; other forms of verification of the assumed effects.

LEARNING OUTCOMES AND COURSE CONTENT ASSIGNED FOR THE CLASSES

(drawn up for courses indicated in the study plan)

1	Course Title
	Contemporary management concepts
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W01: A graduate knows and understands extensively facts, objects, phenomena related to management and quality sciences with particular emphasis on logistics
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U04: Graduate can plan and organize individual and team work, as well as interact with other people in the implementation of tasks. Graduate can manage the work of the team, using the acquired knowledge to resolve dilemmas that arise in professional work. Graduate can also interact with other people as part of teamwork and take a leading role in them
	IL_K01: Graduate is ready to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects
	IL_K04: Graduate is ready to comply with legal, economic and ethical principles in business. Identifies and resolves ethical dilemmas related to the profession. Graduate is also ready to develop the achievements of the profession and maintain the professional ethos
4	Course content
	The origins and evolution of management theory, The determinants of contemporary management, Managing organisation change, development and innovation, Chosen contemporary management concepts critical analysis (TQM, Kaizen, Lean Management, Benchmarking, Business Process Reengineering, Outsourcing, Positive Organisational Scholarship and Positive Management), Organisational Citizenship Behaviours

1	Course Title
	Contemporary Logistics
2	Language of Instruction
	English

3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W01: A graduate knows and understands extensively facts, objects, phenomena related to management and quality sciences with particular emphasis on logistics
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
4	IL_K04: Graduate is ready to comply with legal, economic and ethical principles in business. Identifies and resolves ethical dilemmas related to the profession. Graduate is also ready to develop the achievements of the profession and maintain the professional ethos
	Course content
	The origins and evolution of logistic (definitions of logistics and logistics management, types of logistics activities, the role of logistics in value chain of company, characteristics of logistics system), Logistics cooperation (outsourcing of logistics service, supply chains, organization and coordination of cooperation, risk of cooperation), Information support of logistics (structure of logistics information system in enterprise, IT solutions supporting logistics activity of enterprise (MRP, ERP), SCM information systems, internet platforms supporting cooperation), Supply management (supplier selection, arrangements with suppliers, costs of supply, role of service providers, performance metrics), Inventory management and warehousing (inventory types, inventory flow, activities related to storage and warehousing, costs of inventory and storage, role of service providers, metrics), Order management (order processing, types of distribution channels, logistics services for customers, role of specialized service providers, costs of delivery and customer service, performance metrics), Transport (types of transport, activities related to transport, role of spedition, role of service providers, costs of transport, criteria of performance). Incoterms. International conditions for development of logistics activity (conventions and agreements on the international movement of goods, standardization of logistics activity: ISO 22000, ISO 27000, ISO 28000, HACCP).

1	Course Title
	International Business
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W01: A graduate knows and understands extensively facts, objects, phenomena related to management and quality sciences with particular emphasis on logistics
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U06: Graduate can in their activities, consciously take into account the need to plan and undertake self-education, updating knowledge and lifelong learning in the field of logistics
	IL_K04: Graduate is ready to comply with legal, economic and ethical principles in business. Identifies and resolves ethical dilemmas related to the profession. Graduate is also ready to develop the achievements of the profession and maintain the professional ethos
	IL_K05: Graduate is ready to consult experts in the event of difficulties in solving logistics problems on your own
4	Course content

	The origins and evolution of international business - concepts and theoretical aspects, The international environment of enterprises on foreign markets, Work designing in international companies, Leadership and motivation in international companies, Planning, time management and project management, Organizational culture in international companies and communication strategies, Negotiations, Processes of enterprises internationalization, Brand building, business financing, Economy politics vs conditions for the functioning of international business
--	---

1	Course Title
	CRM in logistics
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_W05: Graduate knows and understands the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply chain
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U04: Graduate can plan and organize individual and team work, as well as interact with other people in the implementation of tasks. Graduate can manage the work of the team, using the acquired knowledge to resolve dilemmas that arise in professional work. Graduate can also interact with other people as part of teamwork and take a leading role in them
	IL_K02: Graduate is ready to think and act in an entrepreneurial way to initiate actions in the public interest. Graduate can predict and multi-directional social effects of his activity. Graduate is also concerned about the environmental consequences of his professional activities
	IL_K03: for responsible performance of professional roles, taking into account social needs. Graduate can solve social conflicts emerging in groups
4	Course content
	Determinants shaping the needs and behavior of consumers on the market, Customer acquisition and retention, Customer typology, Customer service as a value in enterprise - customer relationship management, Analysis of selected relationship models, Value of customer relationships - conditions, measures, Shaping customer loyalty to the company, Quality and profitability of relationships, Loyalty programs, Customer Relationship Management as a business strategy and IT technology, Characteristics of CRM systems, Building relationships with customers, CRM technology and tools, Implementation of the concept of customer relationship management, The future of CRM systems (On-Line CRM, Inbound vs. Outbound Marketing), Customer relationship management using Customer Care (CC) and Customer Engagement techniques, Consumer behavior on the logistics services market (case studies), Building lasting relationships with customers - concept relationship marketing, Logistic customer service, Enterprise - consumer as a side of the relationship, Use of websites and the use of IT tools in creating relationships with customers (On-Line CRM, Inbound Marketing, Outbound Marketing)

inco

1	Course Title
	Global Business Economy
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)

	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_W05: Graduate knows and understands the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply chain
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U05: Graduate can obtain information from various sources and make their substantive selection. Has the ability to communicate on specialist topics with diverse audiences. Has language skills and knows specialist terminology in the field of science and scientific disciplines relevant to the field of Logistics in accordance with the requirements specified for the B2 + level of the European System for the Description of Languages
	IL_K04: Graduate is ready to comply with legal, economic and ethical principles in business. Identifies and resolves ethical dilemmas related to the profession. Graduate is also ready to develop the achievements of the profession and maintain the professional ethos
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	Introduction to global business economy, Advanced methods and tools of economic analysis, Mechanism of markets functioning. The demand side of the market. Supply side of the market. Market equilibrium. Maximum and minimum prices. The practical importance of demand elasticity and supply elasticity, Consumer decisions. Utility vs market value. Consumer Optimum, Productivity and production costs. Technical optimum and the economic optimum of production. Costs in the short and long term. Scale of production benefits, Market structures from the supply side. Profit maximization in various market structures, advanced methods and tools of microeconomic analysis supporting managerial decision making, Fiscal policy tools and their impact on the decisions of economic entities and the business situation, Creation of money by the banking system and the policy of the central bank - consequences for business entities and for the state of the economy as a whole, Controversies over the role of the state in the economy. Market failure and the effects of excessive state interference in the economy.

1	Course Title
	Elective I sem: Money in Digital Era
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_W05: Graduate knows and understands the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply chain
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U03: Graduate can use and adapt existing methods and tools to analyze, interpret and solve complex as well as unusual logistic problems
	IL_K05: Graduate is ready to consult experts in the event of difficulties in solving logistics problems on your own

	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	Span financial technology (fintech), Technologies relevant to digital currencies and payments, Characteristics of various digital currencies, Regulatory frameworks relating to digital currencies and payments/fintech, Strategic business opportunities and risks in digital payments.

1	Course Title
	Elective I sem: Asian Economic Relations
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_W05: Graduate knows and understands the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply chain
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U03: Graduate can use and adapt existing methods and tools to analyze, interpret and solve complex as well as unusual logistic problems
	IL_K05: Graduate is ready to consult experts in the event of difficulties in solving logistics problems on your own
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	“Asian values” debate, Trans-regional economic integration in the Asia-Pacific, Asian regional organizations (e.g. the Asian Infrastructure Investment Bank), Rivalry between China and the United States in the Indo-Pacific, Major Asian powers: China, India, Japan, and South Korea

1	Course Title
	Elective I sem: Essentials of Startups and Venture Capitals
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_W05: Graduate knows and understands the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply cha
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems

	IL_U03: Graduate can use and adapt existing methods and tools to analyze, interpret and solve complex as well as unusual logistic problems
	IL_K05: Graduate is ready to consult experts in the event of difficulties in solving logistics problems on your own
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	Venture financing – investment cycle, Types of investors in venture financing, Fundraising Valuation, Venture capitalists, Negotiating deals, Scaling up and scaling down, Cashing on success

1	Course Title
	Warehousing and distribution
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W02: Graduate knows and understands advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects
	IL_W03: A graduate knows and understands the causes and effects of current events and the need to have logistics knowledge that allows for their interpretation
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_K01: Graduate is ready to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	Introduction to warehouse management, Warehouse planning, Technical equipment in the warehousing process, Warehousing process, Picking strategies and equipment, Order picking methods, Handling and storage equipment, Technologies supporting warehouse management, Documentation in the warehouse, Inventory distribution in the warehouse, Responsibility of the warehouse management and employees, Work safety in warehouse processes, Inventories - tasks of various difficulty levels, calculation of safety stock in various variants, Methods of determining the size of deliveries - tasks, Customer service level, POP and SIR - tasks, Inventory group management: ABC two-criteria analysis , ABC and XYZ value analysis, Packaging volume and their division, grouping, Costs in storage, Marketing distribution channel, Functions of intermediaries in the distribution channel, Wholesale trade, Retail trade, Features of the distribution channel, Distribution strategy, Development of the producer-retailer relationship, Conflicts between industry and trade, Major logistics innovations introduced by retail chains, Outsourcing of logistics services and contract distribution

1	Course Title
	International & intermodal transport
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)

	IL_W02: A graduate knows and understands advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects
	IL_W03: A graduate knows and understands the causes and effects of current events and the need to have logistics knowledge that allows for their interpretation
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_K01: Graduate is ready to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	Creation of work plans and schedules for the carriage of goods and cargo by road and rail, Selection of means of transport depending on the type of transport services provided, Methods and tools supporting decision-making in road and rail transport, Solutions supporting the efficiency of transport processes of enterprises in road and rail transport, Development directions and activities aimed at gaining a competitive advantage of enterprises in road and rail transport, Principles of multimodal transport, Global market, flows of goods in the global market, Means of transport used for multimodal transport, The structure, organization and the conditions of cooperation of transport systems in a multimodal transport system, Transshipment technologies and goods protection in multimodal transport, Multimodal transport infrastructure, terminals and reloading points, logistic centers, Transport documents in multimodal transport, Freight transport monitoring systems, Analysis of the effectiveness of multimodal systems, Risk analysis in multimodal transport, methods of risk reduction

1	Course Title
	CSR in logistics
2	Language of Instruction
	English
3	Realizowane efekty uczenia się (kierunkowe oraz przedmiotowe - opis efektów)
	IL_W01: A graduate knows and understands extensively facts, objects, phenomena related to management and quality sciences with particular emphasis on logistics
	IL_W05: Graduate knows and understands the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply chain
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U04: Graduate can plan and organize individual and team work, as well as interact with other people in the implementation of tasks. Graduate can manage the work of the team, using the acquired knowledge to resolve dilemmas that arise in professional work. Graduate can also interact with other people as part of teamwork and take a leading role in them
	IL_K02: Graduate is ready to think and act in an entrepreneurial way to initiate actions in the public interest. Graduate can predict and multi-directional social effects of his activity. Graduate is also concerned about the environmental consequences of his professional activities
	IL_K03: for responsible performance of professional roles, taking into account social needs. Graduate can solve social conflicts emerging in groups
4	Course content
	Sources of the company's reputation, the company's environment, ways of dealing with the organization with changes in the environment. Business ethics. CSR concept, contemporary approach to CSR, CSR models, Legal regulations of the CSR, procedures and guidelines of global organizations, Discussion and analysis of reports

	summarizing corporate social responsibility. Discussing company cases and critical analysis of their activities in the field of CSR, Analysis of the social responsibility of multinational enterprises and presentation of their sustainable development strategies, The concept of social economy and business examples, Guest's visit - the practice of corporate social responsibility, University Social Responsibility - Graduates prepare a project in groups, Charity - practical classes. Graduates are actively involved in a selected charity project, Ecology and circular economy.
--	---

1	Course Title
	Elective II sem: Globalization and Perspectives of World Change
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_W05: Graduate knows and understands the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply chain
	IL_U05: Graduate can obtain information from various sources and make their substantive selection. Has the ability to communicate on specialist topics with diverse audiences. Has language skills and knows specialist terminology in the field of science and scientific disciplines relevant to the field of Logistics in accordance with the requirements specified for the B2 + level of the European System for the Description of Languages
	IL_U06: Graduate can in their activities, consciously take into account the need to plan and undertake self-education, updating knowledge and lifelong learning in the field of logistics
	IL_K05: Graduate is ready to consult experts in the event of difficulties in solving logistics problems on your own
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	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

1	Course Title
	Elective II sem: Politics and Economy of Outer Space
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_W05: Graduate knows and understands the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply chain

	IL_U05: Graduate can obtain information from various sources and make their substantive selection. Has the ability to communicate on specialist topics with diverse audiences. Has language skills and knows specialist terminology in the field of science and scientific disciplines relevant to the field of Logistics in accordance with the requirements specified for the B2 + level of the European System for the Description of Languages
	IL_U06: Graduate can in their activities, consciously take into account the need to plan and undertake self-education, updating knowledge and lifelong learning in the field of logistics
	IL_K05: Graduate is ready to consult experts in the event of difficulties in solving logistics problems on your own
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	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

1	Course Title
	Elective II sem: International Arbitration
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_W05: Graduate knows and understands the most important economic, ethical, legal conditions (including rules regarding the protection of industrial property and copyright) and other conditions necessary for running a business and cooperation within the supply chain
	IL_U05: Graduate can obtain information from various sources and make their substantive selection. Has the ability to communicate on specialist topics with diverse audiences. Has language skills and knows specialist terminology in the field of science and scientific disciplines relevant to the field of Logistics in accordance with the requirements specified for the B2 + level of the European System for the Description of Languages
	IL_U06: Graduate can in their activities, consciously take into account the need to plan and undertake self-education, updating knowledge and lifelong learning in the field of logistics
	IL_K05: Graduate is ready to consult experts in the event of difficulties in solving logistics problems on your own
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	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

1	Course Title
	Supply chain risk & adaptation
2	Language of Instruction
	English

3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W02: A graduate knows and understands advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects
	IL_W03: A graduate knows and understands the causes and effects of current events and the need to have logistics knowledge that allows for their interpretation
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U03: Graduate can use and adapt existing methods and tools to analyze, interpret and solve complex as well as unusual logistic problems
	IL_K01: Graduate is ready to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects
4	Course content
	Supply chain and its phases, Competing supply chains, Integration of logistics processes. Supply chain management, Outsourcing and partnership in the supply chain, Supply chain cycles and processes. Pushing and pulling processes, Achieving strategic alignment in the supply chain, Supply chain strategies. Lean and Agile strategy. Postponing and locating of the decoupling point, Efficient ECR customer service, Methods of supply chain coordination. VMI, cross docking, Risk and uncertainty. Defining the risk, Risk management in the supply chain. Advanced concepts and definitions. Trends affecting the supply chain, Reactive vs proactive approach to risk management, Risk analysis, Response to risk, Monitoring and control, A network view of risk, Creating resilient supply chains.

1	Course Title
	E commerce logistics
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W02: A graduate knows and understands advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects
	IL_W03: A graduate knows and understands the causes and effects of current events and the need to have logistics knowledge that allows for their interpretation
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_K01: Graduate is ready to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects
	IL_K03: for responsible performance of professional roles, taking into account social needs. Graduate can solve social conflicts emerging in groups
4	Course content
	Foundation and forms of conducting e-commerce, Legal requirements for e-commerce, courier and postal services, Activity of courier and postal companies in Poland and around the world, Logistics services for e-commerce, Security in the implementation of logistics services for e-commerce, The role of innovation in the development of e-commerce logistics.

1	Course Title
	Green&Sustainable Logistics

2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W02: A graduate knows and understands advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U03: Graduate can use and adapt existing methods and tools to analyze, interpret and solve complex as well as unusual logistic problems
	IL_K02: Graduate is ready to think and act in an entrepreneurial way to initiate actions in the public interest. Graduate can predict and multi-directional social effects of his activity. Graduate is also concerned about the environmental consequences of his professional activities
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	Introduction to green logistics as a science integrating ecology and logistics, The impact of transport and logistics on the environment, External costs of transport and logistics activities, Life Cycle Management (LCA) - methodology and examples, Logistic integrated waste management system, Reverse logistics in a waste management system and supply chain management, Ecological packaging, Ecological balances in logistic systems - eco-balancing, Green city logistics.

1	Course Title
	Elective 1 III sem: Contemporary Cultural Challenges
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W06: Graduate knows and understands the principles of creating and developing equal forms of individual entrepreneurship with particular emphasis on the logistics industry
	IL_W07: Graduate knows and understands at a deepened level the concepts, scientific theories and research methodology used in the field of humanities
	IL_U04: Graduate can plan and organize individual and team work, as well as interact with other people in the implementation of tasks. Graduate can manage the work of the team, using the acquired knowledge to resolve dilemmas that arise in professional work. Graduate can also interact with other people as part of teamwork and take a leading role in them
	IL_U06: Graduate can in their activities, consciously take into account the need to plan and undertake self-education, updating knowledge and lifelong learning in the field of logistics
	IL_U07: Graduate can correctly use possessed knowledge to formulate and solve unusual problems in the field of humanities
	IL_K03: for responsible performance of professional roles, taking into account social needs. Graduate can solve social conflicts emerging in groups
	IL_K04: Graduate is ready to comply with legal, economic and ethical principles in business. Identifies and resolves ethical dilemmas related to the profession. Graduate is also ready to develop the achievements of the profession and maintain the professional ethos

	IL_K07: Graduate is ready to initiate actions in the public interest in issues related to the field of humanities
4	Course content
	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, Trompenaars' 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

1	Course Title
	Elective 1 III sem: Diversity and inclusion in the workplace
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W06: Graduate knows and understands the principles of creating and developing equal forms of individual entrepreneurship with particular emphasis on the logistics industry
	IL_W07: Graduate knows and understands at a deepened level the concepts, scientific theories and research methodology used in the field of humanities
	IL_U04: Graduate can plan and organize individual and team work, as well as interact with other people in the implementation of tasks. Graduate can manage the work of the team, using the acquired knowledge to resolve dilemmas that arise in professional work. Graduate can also interact with other people as part of teamwork and take a leading role in them
	IL_U06: Graduate can in their activities, consciously take into account the need to plan and undertake self-education, updating knowledge and lifelong learning in the field of logistics
	IL_U07: Graduate can correctly use possessed knowledge to formulate and solve unusual problems in the field of humanities
	IL_K03: for responsible performance of professional roles, taking into account social needs. Graduate can solve social conflicts emerging in groups
	IL_K04: Graduate is ready to comply with legal, economic and ethical principles in business. Identifies and resolves ethical dilemmas related to the profession. Graduate is also ready to develop the achievements of the profession and maintain the professional ethos
	IL_K07: Graduate is ready to initiate actions in the public interest in issues related to the field of humanities
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
	Elective 2 III sem Big Data
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W02: A graduate knows and understands advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects

	IL_W06: Graduate knows and understands the principles of creating and developing equal forms of individual entrepreneurship with particular emphasis on the logistics industry
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_K01: Graduate is ready to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	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), 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), 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, Introduction to time series analysis and forecasting; working with add-ins in Excel and libraries in programming; Elements of Python and R for data analysis and visualization (Python and R - basics of data manipulation, Pandas, Webscrapping), Python and R for reporting (Markdown and automatic reports in Python), Elements of SQL (SQL fundamentals, Boolean logic and algebra basics, extra clauses, set operations, subqueries, tables, manipulating records in a database, Join and Cascade), Data visualization with Plotly, R and Python 9. Tableau and Power BI for visualization and dashboards

1	Course Title
	Elective 2 III sem: Data Science
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W02: A graduate knows and understands advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects
	IL_W06: Graduate knows and understands the principles of creating and developing equal forms of individual entrepreneurship with particular emphasis on the logistics industry
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_K01: Graduate is ready to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
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
	Elective 2 III sem: Text mining and social media analysis

2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W02: A graduate knows and understands advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects
	IL_W06: Graduate knows and understands the principles of creating and developing equal forms of individual entrepreneurship with particular emphasis on the logistics industry
	IL_U01: Graduate can use and select appropriate sources and information from them in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_K01: Graduate is ready to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	Elements of R programming in the context of social media, Downloading social media data (connecting to Twitter, Text scrapping), Text data cleaning and manipulation, Word clouds, Working with strings and regular expressions, Network models and graphical analysis, Sentiment analysis and visualization

1	Course Title
	Internship
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W01: A graduate knows and understands extensively facts, objects, phenomena related to management and quality sciences with particular emphasis on logistics
	IL_W03: Graduate knows and understands the causes and effects of current events and the need to have logistics knowledge that allows for their interpretation
	IL_U02: Graduate can use and select appropriate methods and tools, including advanced information and communication techniques, in order to analyze, interpret and solve complex and unusual logistic problems
	IL_U04: Graduate can plan and organize individual and team work, as well as interact with other people in the implementation of tasks. Graduate can manage the work of the team, using the acquired knowledge to resolve dilemmas that arise in professional work. Graduate can also interact with other people as part of teamwork and take a leading role in them
	IL_K03: for responsible performance of professional roles, taking into account social needs. Graduate can solve social conflicts emerging in groups
	IL_K04: Graduate is ready to comply with legal, economic and ethical principles in business. Identifies and resolves ethical dilemmas related to the profession. Graduate is also ready to develop the achievements of the profession and maintain the professional ethos
4	Course content
	Health and safety, fire protection, environmental protection and ergonomics at the workplace. Indepths of running a logistic activity: concepts related to the market economy, legal regulations regarding the protection of personal data, Logistic chain, Integrated supply chain, Principles of keeping office documentation, Office equipment, Industry computer programs, Professional culture, Legal provisions regarding professional secrecy and personal data protection , Archiving of documents. Transport and warehouse processes: Buildings and warehouse structures, Basic and supplementary warehouse services, Basic and auxiliary warehouse equipment, Distribution of stocks in the warehouse, Responsibility of warehouse employees, Distribution channels, Rules of cooperation in the distribution channel, Rules for locating the distribution

	center, Documents of distribution processes, Rules documentation flow, Means of transport, Transport of special and dangerous goods, Reloading and handling devices, Systems for monitoring and registering loads, The use of road maps and communication routes, timetables for regular transports, Rules for selecting technical means for carrying out transport processes, International standards for cargo identification and exchange data, marking of transported goods, legal regulations concerning the flow, storage and protection of information, principles of waste management.
--	--

1	Course Title
	Diploma thesis seminar
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W02: A graduate knows and understands advanced methods, techniques and research tools in the field of logistics to an in-depth degree to describe the phenomena in logistics, design and evaluate logistics processes and identify their effects
	IL_W03: A graduate knows and understands the causes and effects of current events and the need to have logistics knowledge that allows for their interpretation
	IL_U03: Graduate can use and adapt existing methods and tools to analyze, interpret and solve complex as well as unusual logistic problems
	IL_U05: Graduate can obtain information from various sources and make their substantive selection. Has the ability to communicate on specialist topics with diverse audiences. Has language skills and knows specialist terminology in the field of science and scientific disciplines relevant to the field of Logistics in accordance with the requirements specified for the B2 + level of the European System for the Description of Languages
	IL_K01: Graduate is ready to perform duties and obligations resulting from the tasks entrusted, concluded contracts and implemented projects
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
4	Course content
	Research title and topic (based on identified research gap). Choice of theories, methodology and research techniques. Access to sources: scientific literature. Analysis of scientific text. Critical analysis of content. Thesis writing techniques, citations, paraphrasing, problem of plagiarism. Presentation of the chosen topic and planned library research of seminar participants, discussion. Preparation of final thesis, discussion on conclusions, creation of final thesis, final exams and thesis defense.

1	Course Title
	Foreign language
2	Language of Instruction
	English
3	Accomplished Learning Outcomes (program and course – description of outcomes)
	IL_W03: A graduate knows and understands the causes and effects of current events and the need to have logistics knowledge that allows for their interpretation
	IL_W04: A graduate knows and understands complex dilemmas of modern civilization regarding the movement of people, goods and information - dilemmas related to the logistics activities of economic entities operating in the network and on domestic and international markets. The graduate knows and deeply understands the relationships between structures, entities and institutions of the supply chain on a national and international scale
	IL_U05: Graduate can obtain information from various sources and make their substantive selection. Has the ability to communicate on specialist topics with diverse audiences. Has language skills and knows specialist

	terminology in the field of science and scientific disciplines relevant to the field of Logistics in accordance with the requirements specified for the B2 + level of the European System for the Description of Languages
	IL_K06: Graduate is ready to consciously, critically assess the received content and to recognize the importance of knowledge in the field of logistics in solving cognitive and practical problems. Graduate is ready to consult experts in case of difficulties in solving the problem on its own
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.

GRADUATION REQUIREMENTS

Graduation Requirements (thesis / final exam / other)	Completion of studies takes place after passing all the subjects, internships provided in the study program, submitting the diploma thesis and passing the diploma examination.
--	---