

SYLLABUS

Teacher					
Course	Supply Chain Management				
Module	Compulsory subjects	ECTS	4	Course code	23SM.P.L.A.14

Major	Speciality	Academic year
LOGISTICS	Industrial Systems Engineering	2023/2024
Semester	SECOND	Year of studies
		FIRST

Type of studies	Full-time				Extramural			
Type of classes	Lecture	Exercise	Laboratories	Project	Lecture	Exercise	Laboratories	Project
Amount of hours	25	20						
TOTAL	45							

Course objectives	<p>The main objective of the course is to familiarize students with modern concepts in supply chain management, including transportation and logistics, inventory and warehousing, procurement and operations management, network design, collaboration and performance measurement. Students will master the ability to design, and implement supply chains aligned with product, market, and customer characteristics.</p>
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Minimum knowledge required from the student before the classes beginning	
basics of finance and operations management	

Recommended literature to study before the classes beginning	
Chopra S., Supply Chain Management: Strategy, Planning, and Operation, Pearson, 2019	

LEARNING OUTCOMES			KEK	METHODS OF ASSESSMENT	
KNOWLEDGE	K01	Knowledge of basic principles and laws governing modern supply chains	K2_W01_L_P	EM13	Papers, term papers etc. Evaluation
	K02	Knowledge of the supply chains characteristics according to different environments	K2_W03_L_P	EM13	Papers, term papers etc. Evaluation
	K03	Understanding principles governing different functions in supply chains, including purchasing, warehousing, transportation etc.	K2_W05_L_P	EM13	Papers, term papers etc. Evaluation
	K04	Understanding key performance metrics in supply chain	K2_W06_L_P	EM13	Papers, term papers etc. Evaluation
SKILLS	S01	Has the ability to configure logistics networks and assess their performance impacts on efficiency and service levels	K2_U03_L_P	EM11	Reports assessment
	S02	Has the ability to strategically assess bottlenecks in supply chain and implement effective strategies to optimize flow of products and information	K2_U05_L_P	EM11	Reports assessment
	S03	Has the skills to manage complex, multinational, multimodal supply chain networks	K2_U07_L_P; K2_U15_L_P	EM11	Reports assessment
SOCIAL COMPETENCE	SC01	Is able to work in cross-functional supply chain team and is able to have multiple roles within the group	K2_K01_L_P	EM16	Evaluation of the work, cooperation of students in the classroom (verifying data acquisition of social competence)
	SC02	Understands the importance of S.C. decisions and is aware of the consequences they impose on his environment and in broad social conspect	K2_K05_L_P	EM16	Evaluation of the work, cooperation of students in the classroom (verifying data acquisition of social competence)

	<ol style="list-style-type: none"> 1. Basics of Supply Chain 2. Purchasing 3. Inventory
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Course contents	Lecture	4. Warehousing 5. Operations management 6. Transportation 7. IT and integrations in Supply Chain 8. Environmental dimension of S.C. and CSR across S.C.
	Exercises	In line with lectures
	Laboratories	
	Projects	

Teaching methods	TM8	Project method
	TM7	Exposing method
	TM1	Information lecture

Obligatory literature	1	Cecil Bozarth, Robert Handfield, Introduction to Operations and Supply Chain Management, Global Edition, Pearson, 2019
	2	Sunil Chopra, Supply Chain Management: Strategy, Planning, and Operation, Global Edition, Pearson Education Limited, 2018
	3	Simchi-Levi D., Kaminsky P., Simchi-Levi E., Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies, McGraw-Hill Education, 2021

Additional literature	1	Mangan J., Lalwani C., Lalwani C., Global Logistics and Supply Chain Management, Wiley, 2021
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Requirements to pass the course	
<p>Assessment of the lecture</p> <p>1 Class attendance. Each student is entitled to one unexcused absence. Another absence results in lowering the final grade by 1. Acceptable late to class 15 minutes - after this time the student will not be allowed into the class. 10%</p> <p>2 Presentations. Student is required to make an oral presentation in accordance with the schedule. For presentation student receives grade (it is necessary to get a positive mark from each presentation). 10%</p> <p>3. Exam, which consists of 20 closed book, multiple choice and open questions. 80%</p>	
<p>Assessment of the exercise</p> <p>1 Class attendance. 30% Each student is entitled to one unexcused absence. Another absence results in lowering the final grade by 1. Acceptable late to class 15 minutes - after this time the student will not be allowed into the class.</p> <p>2 Reports performed during classes. 70% The student is required to prepare a report. Mini reports are prepared after each class. Final report is prepared in groups of three, and their substantive content is discussed in the relevant classes. Report is scored 0 - 10 points. The report must be returned at the end of the class before the last class. Passing report is essential to get a positive assessment. Those absent are entitled to fulfil the deficiency of program during last class.</p>	