

SYLLABUS

Teacher					
Course	Introduction to Logistics				
Module	Compulsory subject	ECTS	4	Course code	23SM.P.L.A.5

Major	Speciality	Academic year	
LOGISTICS	Industrial systems engineering	2023/2024	
Semester	First	Year of studies	First

Type of studies	Full-time				Extramural			
Type of classes	Lecture	Exercise	Laboratories	Project	Lecture	Exercise	Laboratories	Project
Amount of hours	16	16						
TOTAL	32							

Course objectives	Basic concepts referring to managerial and technical logistics. Analysis of Basic logistics processes. Problems referring to logistics infrastructure.
-------------------	--

Minimum knowledge required from the student before the classes beginning	None
--	------

Recommended literature to study before the classes beginning	none
--	------

LEARNING OUTCOMES			KEK	METHODS OF ASSESSMENT	
KNOWLEDGE	K01	Explains the etymology of logistics, basic terminology and role of logistics. Explain key principles in freight and passenger transport	K2_W03_L_P	EM14	Continuous evaluation (ongoing preparation for classes)
	K02	Explains the term Supply Chain and its stages; understands the term Value and the value chain	K2_W05_L_P	EM14	Continuous evaluation (ongoing preparation for classes)
	K03	Explains the basic processes between functional units in supply chain	K2_W03_L_P	EM14	Continuous evaluation (ongoing preparation for classes)
	K04	Explains the flow of materials, information, services and finances in logistics	K2_W05_L_P	EM14	Continuous evaluation (ongoing preparation for classes)
	K05	Explains the term Sustainable Development, understands the role of sustainable logistics	K2_W03_L_P	EM14	Continuous evaluation (ongoing preparation for classes)
SKILLS	S01	The ability to communicate by means of basic logistics terminology	K2_U03_L_P	EM15	Evaluation of activity during the class
	S02	Noticing the significance of logistics surrounding as a determinant of its location.	K2_U01_L_P	EM10	Project evaluation, semester works, etc.
	S03	Has basic skills in the field of noticing links between logistics activities.	K2_U02_L_P	EM9	Written colloquium with practical tasks (computational or drawing tasks)
	S04	The ability to identify basic equipment for materials handling.	K2_U05_L_P	EM10	Project evaluation, semester works, etc.
	S05	Initial ability to analyse logistics processes as series of events (cause-effect chain).	K2_U09_L_P	EM10	Project evaluation, semester works, etc.
	SC01	Pointing out high responsibility of logistics manager as a person distributing duties (according to competence and physical abilities	K2_K02_L_P	EM13	Papers, term papers etc. evaluation, semester works,.

SOCIAL COMPETENCE	SC02	Highlighting the necessity to provide employees with appropriate social infrastructure, as the way to buoy up, and also as the way to show respect to hard working people.	K2_K03_L_P	EM15	Evaluation of activity during the class
	SC03	Teaching responsibility for future colleagues and subordinates by means of rising their consciousness of high health and safety standards in all areas of logistics and by seeing such an attitude as the way to prevent accidents at work	K2_K05_L_P	EM13	Passing papers, semester works, etc.

Course contents	Lecture	<ol style="list-style-type: none"> 1) Introduction to a course. What is logistics? 2) Supply, production and distribution logistics – basic concepts and ways of functioning. 3) Supply logistics – inventories and their replenishment, practical problems. 4) Production logistics – discussing basic methods of coordinating production. Semantic analysis: raw materials, semi-finished foods, finished foods. 5) Distribution logistics – channels of distribution, division of functional units: manufacturer – central distribution warehouse, regional warehouse and dispatching warehouse. 6) Warehouses – their origins, functional division, design, surroundings, work in a warehouse, basic ways of distributing foods in a warehouse. 7) Materials handling – an overview of most common equipment, their functions and ways of their usage. 8) General analysis of selected logistics processes – basics of a planning process, elements influencing results of a process. 9) Practical examples – discussing a few examples of logistics inside a company.
	Exercises	lean management - implementation of tools, case study,
	Laboratories	
	Projects	Individual student projects are activities carried out as a part of the exercises

Teaching methods	TM2	A lecture with a media presentation
	TM10	Classes implemented in the form of group work with the use of a case study
	TM8	Project method

Obligatory literature	1	Rushton A., Croucher P., Baker P., The Handbook of Logistics and Distribution Management, Kogan Page, 2022
	2	Mangan J., Lalwani C., Lalwani C., Global Logistics and Supply Chain Management, Wiley, 2021
	3	Waters D., Supply Chain Management: An Introduction to Logistics, Palgrave Macmillan, 2019

Additional literature	1	Langley C.J., Novack R.A., Gibson B.J., Coyle J.J., Supply Chain Management: A Logistics Perspective, Cengage Learning, 2020
	2	Christopher M., Logistics and Supply Chain Management, Pearson, 2016
	3	

Requirements to pass the course	
Lecture: written exam on theoretical knowledge. Passing threshold: min. 50% points	
Exercises: passing participation, giving a written business project and presentation of individual stages. The grade from the tutorials is: the average of the marks from the written semester project, the grades from the oral responses and student activity on exercises and the grade from the written colloquium	