International University of Logistics and Transport in Wrocław

Leading					
Item	**Process design**				
Module	**O**	**ECTS points**	**2**	**Reference number of the study program**	**L/2024/SPS/S/P_eng. - L/2024/SPS/N/P_eng.**

Direction	**Specialty**	**Academic year**
LOGISTICS	**Trade and distribution logistics / Transport safety**	updated syllabus
Term	V	**Year of study** III

Form of studies	**Stationary**				**Part-time**			
Form of classes	**Lecture**	**Exercises**	**Laboratories**	**Design**	**Lecture**	**Exercises**	**Laboratories**	**Design**
Number of hours	**12**	**14**			**12**	**14**		
TOGETHER	**26**				**26**			

Objective of the course	The aim of the course entitled Process Design is to familiarize students with the basic concepts, methods and tools of process design and to develop skills in the analysis, modeling, optimization and improvement of processes in various areas of the organization's activity, taking into account standards, norms and quality of the activities performed

Minimum knowledge required from the student before starting classes

Basic knowledge of economics and logistics.

Recommended literature to study before starting classes

Besanko D.2020: Microeconomics, EMEA Edition, Wydawnictwo Wiley, Warszawa

SUBJECT-SPECIFIC LEARNING OUTCOMES (SLE)			**KEU**	**EVALUATION METHODS**	
	CODE	**FORM**	**CODE**	**CODE**	**FORM**
KNOWLEDGE	**W1**	Possesses knowledge of process design in organizations, taking into account efficiency and the application of norms and standards	K1_W04_L_P	M04	Written exam in the form of open tasks
	W2	Knows and understands the functioning of processes in various areas of activity and the principles of their analysis, modeling and improvement.	K1_W06_L_P	M04	Written exam in the form of open tasks
	W3	Possesses knowledge of the conditions for designing and implementing processes in organizations and their importance in market activities	K1_W09_L_P	M04	Written exam in the form of open tasks
SKILLS	**U01**	Can analyze and document processes and identify organizational problems and requirements.	K1_U03_L_P	MO8	Written test in the form of open tasks
	U02	Is able to solve procedural problems taking into account organizational, economic, legal and social conditions.	K1_U05_L_P	MO8	Written test in the form of open tasks
	U03	Able to design and optimize processes and implement improvements in the organization.	K1_U12_L_P	MO8	Written test in the form of open tasks
SOCIAL COMPETENCES	**K01**	Is ready to prioritize and organize activities in the process of designing, analyzing and improving processes	K1_K01_L_P	MO15	Assessment of activity during classes

Subject content	Lectures	Introduction to process design – concepts, importance and goals in organizations, Process analysis and workflow mapping, Process design methods and tools, Processes in various areas of activity – production, services, logistics, Continuous process improvement – methods and strategies for improvement, Norms, standards and quality aspects in process design
	Laboratories	Analyzing and documenting existing processes in the organization, Designing procedures and process standards, Identifying problems and bottlenecks in processes, Simulating and optimizing processes in practice, Implementing improvements and continuous improvement tools, Teamwork on process design and presentation of results
	Design	Designing warehouse processes

Teaching methods	**CODE**	**FORM**
	MD2	Informative lecture using multimedia techniques
	MD16	Laboratory exercises – solving tasks and problems

Compulsory literature	**1**	"Winston L. 2014: Marketing Analytics - Data-Driven Techniques with Microsoft Excel, Wydawnictwo Wayne L Winston, Bloomington "
	2	Frakt. 2020: How Economics Works, Wydawnictwo Dorling Kindersley Limited, Londyn

	3	Christopher M. 2023: Logistics and Supply Chain Management, Wydawnictwo Financial Times Prent. Londyn
Additional literature	1	Zieger S. 2025: Logistics and Power: Supply Chains from Slavery to Space, Wydawnictwo University of California Press, Kalifornia

Conditions for passing the course

The course "Process Design" requires successful completion of the lecture (M04 Written Exam with Open-End Questions or MO4 Written Exam with Open-End Questions) and the tutorials (MO8 Written Test with Open-End Questions). Additionally, student participation in the classes will be assessed. Lecture (W): 40% of the final grade plus Tutorials (C): 60% of the final grade.