

# International University of Logistics and Transport in Wrocław

<b>Leading</b>								
<b>Item</b>	<b>Statistics</b>							
<b>Module</b>	O	<b>ECTS points</b>	4	<b>Reference number of the study program</b>			L/2024/SPS/S/P - L/2024/SPS/N/P	
<b>Direction</b>		<b>Specialty</b>			<b>Academic year</b>			
LOGISTICS		Trade and distribution logistics			updated syllabus			
<b>Term</b>		II		<b>Year of study</b>			I	
<b>Form of studies</b>		<b>Stationary</b>			<b>Part-time</b>			
<b>Form of classes</b>	Lecture	Exercises	Laboratories	Design	Lecture	Exercises	Laboratories	Design
<b>Number of hours</b>	16	20			15	18		
<b>TOGETHER</b>	36			33				
<b>Objective of the course</b>	Learning basic statistical methods, necessary in professional work and at the further stage of education.							
<b>Minimum knowledge required from the student before starting classes</b>								
The scope of material in mathematics (basic level) from upper secondary school and from the subject of Mathematics (semester 1).								
<b>Recommended literature to study before starting classes</b>								
lack								
<b>SUBJECT-SPECIFIC LEARNING OUTCOMES (SLE)</b>					<b>KEU</b>	<b>EVALUATION METHODS</b>		
	<b>CODE</b>	<b>FORM</b>			<b>CODE</b>	<b>CODE</b>	<b>FORM</b>	
<b>KNOWLEDGE</b>	W01	Basic knowledge of mathematics and statistics, necessary to formulate and solve simple logistics tasks.			K1_W05_L_P	MO5	Written exam in the form of practical tasks (computational or problem-solving tasks)	
	W02	Possesses basic knowledge of data acquisition methods, tools and techniques as well as the principles of proper application of scientific achievements, including computer techniques and information systems used in logistics.			K1_W03_L_P	MO5	Written exam in the form of practical tasks (computational or problem-solving tasks)	
<b>SKILLS</b>	U01	They can correctly interpret phenomena and processes occurring within the enterprise and its environment. They can forecast the practical consequences of specific social processes and phenomena using standard methods and tools from scientific disciplines relevant to logistics.			K1_U01_L_P	MO5	Written exam in the form of practical tasks (computational or problem-solving tasks)	
	U02	Is able to use basic mathematical tools (including probabilistic ones) to describe logistic problems; is able to apply modern computer and digital technologies to organize planning, forecasting, and to analyze and evaluate processes, systems, and logistic projects.			K1_U04_L_P	MO15	Assessment of activity during classes	
	U03	Able to analyze and evaluate the quality, safety, and effectiveness of undertaken activities. Able to conduct economic analysis and evaluation of logistics projects.			K1_U06_L_P	MO15	Assessment of activity during classes	
<b>SOCIAL COMPETENCES</b>	K01	Is ready to set priorities appropriately in order to complete tasks assigned to himself or others.			K1_K01_L_P	MO16	Assessment of students' work and cooperation during classes (observation to check acquired social	

<b>Subject content</b>	Lecture	1. Classical position and volatility parameters. 2. Positional position and dispersion parameters. 3. Correlation analysis. 4. Regression and trend analysis.
	Exercises	1. Classical position and volatility parameters. 2. Positional position and dispersion parameters. 3. Correlation analysis. 4. Regression and trend analysis.
	Laboratories	lack
	Projects	lack

<b>Teaching methods</b>	<b>CODE</b>	<b>FORM</b>
	<b>MD2</b>	<b>Informative lecture using multimedia techniques</b>
	<b>MD16</b>	<b>Exercises – solving tasks and problems</b>

<b>Compulsory literature</b>	<b>1</b>	Frakt A. Piper M. 2014: Microeconomics Made Simple: Basic Microeconomic Principles Explained in 100 Pages or Less, Wydawnictwo SIMPLE SUBJECTS, Warszawa
	<b>2</b>	Frakt. 2020: How Economics Works, Wydawnictwo Dorling Kindersley Limited, Londyn

<b>Additional literature</b>	<b>1</b>	Christopher M. 2023: Logistics and Supply Chain Management, Wydawnictwo Financial Times Prent. Londyn
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<b>Conditions for passing the course</b>
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The final grade consists of the grade from the lecture (exam) - 40% and the grade from the exercises (activity) - 60%.
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