



## Subject card

Subject name and code	LOGISTICS MANAGEMENT, PG_00061169						
Field of study	Management						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			English		
Semester of study	2	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Katedra Inżynierii Zarządzania i Jakości -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Joanna Czerska					
	Teachers	dr inż. Joanna Czerska					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	30.0	0.0	0.0	0.0	45
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours		Self-study	SUM	
	Number of study hours	45	8.0		47.0	100	
Subject objectives	Analyzes the key factors affecting the effective functioning of logistics systems in the context of their design, improvement and management						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W03] identifies reliable sources of information relevant to the analyzed issues	correctly defines the components of the logistics process, obtaining reliable information needed for its analysis, improvement and design as well as making responsible operational decisions			[SW1] Assessment of factual knowledge		
	[K6_U05] designs innovative solutions to difficult problems, achieving economic and socially valuable results	designs complex logistics processes, using appropriate methods to select resources, meet deadlines and analyze costs, carrying out a critical assessment of individual stages			[SU4] Assessment of ability to use methods and tools		

Subject contents	<p><b>LECTURE</b>  Introduction to logistics management  Key costs and indicators in logistics management  Supply chain management  Simulation game  Push-vs-pull system  Flow determinants in the supply chain: Speed, flexibility, volatility, frequency  Inventory management: Inventory management methods: DTO, MTO, ATO, MTS  Inventory management: Determine inventory levels  Planning in the supply chain</p> <p><b>EXERCISES</b>  Customer service  S&amp;OP planning  MPS planning  Work Scheduling  Production flow control  Distribution  Sourcing  Purchasing  Transportation (all types)  Remanufacturing logistics</p>														
Prerequisites and co-requisites															
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="453 754 794 786">Subject passing criteria</th> <th data-bbox="799 754 1141 786">Passing threshold</th> <th data-bbox="1145 754 1490 786">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="453 792 794 824">Team project</td> <td data-bbox="799 792 1141 824">60.0%</td> <td data-bbox="1145 792 1490 824">30.0%</td> </tr> <tr> <td data-bbox="453 831 794 862">Optional tasks</td> <td data-bbox="799 831 1141 862">60.0%</td> <td data-bbox="1145 831 1490 862">20.0%</td> </tr> <tr> <td data-bbox="453 869 794 900">Theoretical and Practical Quizzes</td> <td data-bbox="799 869 1141 900">60.0%</td> <td data-bbox="1145 869 1490 900">50.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Team project	60.0%	30.0%	Optional tasks	60.0%	20.0%	Theoretical and Practical Quizzes	60.0%	50.0%
Subject passing criteria	Passing threshold	Percentage of the final grade													
Team project	60.0%	30.0%													
Optional tasks	60.0%	20.0%													
Theoretical and Practical Quizzes	60.0%	50.0%													
Recommended reading	<table border="1"> <tbody> <tr> <td data-bbox="453 904 794 1099">Basic literature</td> <td colspan="2" data-bbox="799 904 1490 1099"> Duggan K.J., Creating mixed model value streams, second edition, Productivity Press 2012   Kanban Just-in Time at Toyota: Management Begins at the Workplace, Japan Management Association, 1986 </td> </tr> <tr> <td data-bbox="453 1106 794 1391">Supplementary literature</td> <td colspan="2" data-bbox="799 1106 1490 1391"> A. Weele, F. Rozemeijer Procurement and Supply Chain Management, Cengage Learning EMEA, 2022  T.F Wallace,, Sales and Operations Planning The How-To Handbook, Steelwedge Software, 2008 </td> </tr> <tr> <td data-bbox="453 1397 794 1503">eResources addresses</td> <td colspan="2" data-bbox="799 1397 1490 1503"> Adresy na platformie eNauczanie:  Logistics management summer 2024_BIM2_Joanna Czerska - Moodle ID: 37833  <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37833">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37833</a> </td> </tr> </tbody> </table>			Basic literature	Duggan K.J., Creating mixed model value streams, second edition, Productivity Press 2012  Kanban Just-in Time at Toyota: Management Begins at the Workplace, Japan Management Association, 1986		Supplementary literature	A. Weele, F. Rozemeijer Procurement and Supply Chain Management, Cengage Learning EMEA, 2022 T.F Wallace,, Sales and Operations Planning The How-To Handbook, Steelwedge Software, 2008		eResources addresses	Adresy na platformie eNauczanie: Logistics management summer 2024_BIM2_Joanna Czerska - Moodle ID: 37833 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37833">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37833</a>				
Basic literature	Duggan K.J., Creating mixed model value streams, second edition, Productivity Press 2012  Kanban Just-in Time at Toyota: Management Begins at the Workplace, Japan Management Association, 1986														
Supplementary literature	A. Weele, F. Rozemeijer Procurement and Supply Chain Management, Cengage Learning EMEA, 2022 T.F Wallace,, Sales and Operations Planning The How-To Handbook, Steelwedge Software, 2008														
eResources addresses	Adresy na platformie eNauczanie: Logistics management summer 2024_BIM2_Joanna Czerska - Moodle ID: 37833 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37833">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37833</a>														
Example issues/ example questions/ tasks being completed	Logistical decision problems Logistics chain integration Logistics services														
Work placement	Not applicable														