

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	SUPPLY CHAIN MANAGEMENT, PG_00066792									
Field of study	Engineering Management									
Date of commencement of studies	October 2022		Academic year of realisation of subject			2024/2025				
Education level	first-cycle studies		Subject group			Optional subject group 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	3		Language of instruction			English				
Semester of study	6		ECTS credits			4.0				
Learning profile	general academic profile		Assessment form			assessment				
Conducting unit	Department of Management Engineering and Quality -> Faculty of Management and Economics							ics		
Name and surname of lecturer (lecturers)	Subject supervisor dr inż. Joanna Czerska									
	Teachers		dr inż. Joanna Czerska							
	mgr Anna Wendt									
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM		
	Number of study hours	15.0	30.0	0.0	0.0		0.0	45		
	E-learning hours included: 0.0									
	Additional information:									
Learning activity and number of study hours	Learning activity	earning activity Participation ir classes includ		n didactic Participation in ed in study consultation hours		Self-study		SUM		
	Number of study hours	45		6.0		49.0		100		
Subject objectives	The aim of the course is to equip students with the skills to manage the structure of the supply chain and the inventories generated within it, taking into account supply chains adapted to the circular economy.									
Learning outcomes	Course outcome		Subject outcome			Method of verification				
	[K6_K82] is equipped to participate in lectures, seminars and laboratory classes conducted in foreign language		The student is ready to actively participate in classes conducted in English			[SK2] Assessment of progress of work				
	[K6_W81] has knowledge of grammatical structures and lexical resources needed to communicate in foreign language in terms of general and specialist language related to field of study		The student is ready to present the results of the supply chain management project in English.			[SW2] Assessment of knowledge contained in presentation				
	[K6_W13] has a basic knowledge of the design, modelling and optimisation of technical processes and systems		The student knows and understands the determinants of supply chain design and the principles of selecting methods that determine stock levels in the chain.			[SW1] Assessment of factual knowledge				
	[K6_U10] uses tools to measure and improve technical solutions concerning: devices, objects, systems, processes, products and services		Students will be able to select methods of measuring parameters influencing the structure of the supply chain and apply them in the course of supply chain design.			[SU1] Assessment of task fulfilment				

Subject contents	Theoretical and practical issues						
	 Introduction to logistics and supply chain management Key costs and indicators in supply chain management Supply chain management. Simulation game.4. Push vs pull system Determinants of flow in the supply chain: Speed, flexibility, variability, frequency Inventory management part 1: Inventory management methods: DTO, MTO, ATO, MTS Inventory management part 2: Determining inventory levels Project: Supply chain concept for closed loop of selected product 						
Prerequisites and co-requisites							
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade				
and criteria	Active participation	80.0%	10.0%				
	Extra tasks	0.0%	30.0%				
	Quizzes	60.0%	20.0%				
	Project	60.0%	40.0%				
Recommended reading	 commended reading Basic literature Coyle J.J., Bardi E.J., Langley C.J.jr.: The Business Logistic. A supply Chain Perspect Thomas Learning, 2003. Christopher M., Logistics and Supply Chain Strategies for Reducing Costs and Improvi Financial Times Publ. 1998. Duggan K.J., Creating mixed model value Productivity Press 2012 						
	Supplementary literature						
	eResources addresses	Adresy na platformie eNauczanie: Supply Chain Management_2025_Joanna Czerska - Moodle ID: 42957 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=42957					
Example issues/ example questions/ tasks being completed	 Assess the efficiency of the supply chain. Determine the extent of changes to the supply chain structure necessary to improve its efficiency Calculate production flexibility Determine the minimum production and purchase batches Analyse stock rotation Select the inventory calculation method Determine stock levels Design a closed loop supply chain for a selected product 						
Work placement	Not applicable						

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