

Subject card

Subject name and code	ERP Systems in Logistics, PG_00156623						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2024/2025		
Education level	Master's 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	part-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish Teaching materials in English		
Semester of study	2		ECTS credits		3.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Business Informatics -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Anna Lenart				
	Teachers		dr Anna Lenart				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	9.0	0.0	0.0	9
	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	9		15.0		55.0	79
Subject objectives	1. Transfer of knowledge of the theoretical foundations of logistics, especially logistics services in the field of sales and distribution. 2. Preparing students to use ERP systems on the example of the module: Sales and Distribution of the SAP S/4HANA system.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[liEMU2_K03] The student is able to communicate freely with the public inside and outside the workplace, transfer his knowledge and share his skills through various media.	The student is able to provide knowledge on the implementation of the sales process in the SAP S/4 HANA system.	[SK2] presentation/project/paper/report [SK5] implementation of a problem task [SK8] observation of student's independent or team work
	[liEMU2_U03] The student is able to identify, to an in-depth degree, the institutional-legal and social constraints on the functioning of economic structures and institutions and reflect them in modeling, forecasting and optimization.	The student is able to identify limitations in the implementation of sales process.	[SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[liEMU2_W05] The student has an in-depth knowledge of socio-economic data sources, their databases and how to create them.	The student has an in-depth knowledge of economic data sources and methods of registration of documents in SAP S/4 HANA.	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[liEMU2_W04] The student has an in-depth knowledge of advanced mathematical, statistical, econometric and IT methods that enable the acquisition, processing and analysis of data reflecting the functioning and growth of the national economy and its components, as well as the phenomena and processes occurring in their environment.	The student has an in-depth knowledge of advanced IT-methods that enable to acquisition, processing and analysis of data regarding sales process.	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[liEMU2_K04] The student can work in a team, co-create it, effectively manage and supervise it; efficiently adapts his behavior and conduct to his role in it; is ready to take responsibility for the team and bear the consequences; understands the necessity of systematicity and consistency in action; is open to other team members and critical of himself.	The student understands the necessity of systematicity in implementation of problem tasks.	[SK5] implementation of a problem task [SK8] observation of student's independent or team work
	[liEMU2_U07] The student is able to build advanced formal models of complex economic phenomena and processes, estimate them, carry out their verification and apply them to modeling, forecasting and optimization of resources of economic institutions of varying degrees of complexity, their structure and the course of processes in them.	The student is able to discuss process flow and implement sales process in SAP S/4 HANA system.	[SU2] presentation/project/paper/report [SU5] implementation of a problem task [SU8] observation of student's independent or team work
Subject contents	- Logistics in the context of supply chain management (including logistics processes in the field of supply, sales and storage). - Possibilities of using the SAP S/4HANA system in handling logistics processes. - Logistics in SAP S/4HANA - implementation of the sales process (Order-to-Cash) using the Sales and Distribution (SD) module. - Assessment of the SD module - reporting.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	report on problem tasks	51.0%	100.0%
Recommended reading	Basic literature	- Lenart A., Systemy ERP, [w:] Wrycza S., Maślankowski J. (red.), Informatyka ekonomiczna. Teoria i zastosowania, Wydanie II, PWN, Warszawa 2019 (chapter 17). - Intro to SAP S4HANA Using Global Bike 4.2, learning materials, SAP University Alliances, July 2023. - A course for the subject "ERP in logistics" on the UG Educational Portal.	
	Supplementary literature	- Akhtar J., Murray M., Materials Management with SAP S/4HANA: Business Processes and Configuration, SAP Press 2020. - Olcott J., Simmonds J., Sales and Distribution with SAP S/4HANA: Business User Guide, SAP Press 2021. - Lopez R., Mohapatra A., SAP Sales and Distribution (SAP SD) Configuration Guide, 2nd edition, SAP Press 2015. - Wrycza S., Maślankowski J. (eds.), Business informatics. Theory and applications, 2nd edition, PWN, Warsaw 2019.	
	eResources addresses		

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable

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