University of Gdańsk

Subject card

Subject name and code	SAP S/4HANA Academy , PG_00200418						
Field of study	Logistics and Mobility						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2028/2029		
Education level	Bachelor'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	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		English		
Semester of study	5		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Logistics -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Agnieszka Szmelter-Jarosz				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	30.0	0.0	0.0	0.0	30
	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	30		0.0		20.0	50
Subject objectives	To introduce students to the structure, functionalities, and real-world applications of SAP S/4HANA as a leading ERP system. To develop practical skills in navigating and using SAP S/4HANA modules, with a focus on management accounting and business process integration. To equip students with the ability to analyze, plan, and optimize enterprise data and processes using SAP tools and methodologies.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[LML3_K01] recognizes the importance of knowledge in the field of logistics and mobility in the process of identifying and solving economic problems, is ready to interact with other participants in the learning process, and consulting experts in case of difficulties in solving them on their own	The student demonstrates responsibility and attention to detail when working with sensitive business data in ERP systems. The student shows initiative in exploring SAP S/4HANA functionalities by discussing the issues regarding using ERP systems. systems.	[SK1] oral statement/conversation/ discussion [SK8] observation of student's independent or team work
[LML3_U04] is able to predict the course of logistics and mobility processes and systems	The student is capable of applying SAP tools to simulate and analyze real business processes and generate actionable insights.	[SU8] observation of student's independent or team work
[LML3_W08] has knowledge of the main and logistics processes in companies, as well as the changes in these processes, knows what their causes, course, scale, consequences are and what is the impact of external stakeholders on them	The student knows the principles of business process integration in SAP, including finance, controlling, and logistics processes. The student is familiar with the terminology, data structures, and best practices for configuring and managing enterprise operations within SAP.	[SW4] test/exam - oral or written
[LML3_W05] has a knowledge of a human being as an entity that creates social structures and the principles of their functioning	The student understands the core architecture and functional modules of SAP S/4HANA and its role in enterprise resource planning.	[SW4] test/exam - oral or written

Subject contents

Introduction to SAP S/4HANA Overview of ERP systems and the evolution from SAP ECC to S/4HANA.
System Architecture and Data Models Understanding in-memory computing, data structures, and system design in S/4HANA.
Navigation in SAP S/4HANA Learning the SAP Fiori interface, user roles, and basic system operations.
Master Data Management Managing core data elements like customers, vendors, materials, and cost objects.
Business Process Integration Understanding how SAP modules interact across procurement, production, and finance.
Exercises in modules: Materials Management, Production Planning and Execution, Warehouse Management, Plant Maintenance, Quality Management, Sales and Distribution
Case study in Materials Management, Production Planning and Execution, Sales and Distribution, optionally Warehouse Management
Other related solutions of SAP (SAP Analytics Cloud, Sustainability Control Tower, Crystal Reports, others)

All the concerns about using the SAP S/HANA and other IT systems will be dicussed additionally during office hours (consultations)

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
test	51.0%	50.0%
ongoing assessment of student activity in SAP	51.0%	50.0%

Recommended reading

Basic literature	Szmelter A., Communication in global supply chains in the automotive industry, Information Systems in Management 2015, Vol. 4, no 3, p. 205-218 materials from SAP University Alliances materials provided by the lecturer - case studies
Supplementary literature	Ditkaew, K., Pitchayatheeranart, L., & Jermsittiparsert, K. (2020). Success of Enterprise Resource Planning Implementation on Sustainable Performance of Logistics Business in Thailand. International Journal of Supply Chain Management, 9(4), 340347. https://ojs.excelingtech.co.uk/index.php/IJSCM/article/view/5261 Li, Q., & Wu, G. (2021). ERP System in the Logistics Information Management System of Supply Chain Enterprises. Mobile Information Systems, 2021, 111. https://doi.org/10.1155/2021/7423717 Lin, P.-C., Shu, M.-H., Hsu, B.-M., Hu, C.-M., & Huang, J.-C. (2022). Supply Chain Management System for Automobile Manufacturing Enterprises Based on SAP. Wireless Communications and Mobile Computing, 2022, 110. https://doi.org/10.1155/2022/5901633
eResources addresses	

Example issues/ example questions/ tasks being completed

Work placement

Not applicable

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