

Subject card

Subject name and code	SAP ERP System, PG_00156612						
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	1		ECTS credits		4.0		
Learning profile	academic		Assessment form		exam		
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	9.0	0.0	9.0	0.0	0.0	18
	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	18		20.0		65.0	103
Subject objectives	1. Providing students with knowledge of the functioning and implementation of ERP systems. 2. Preparing students to use the SAP S/4HANA system on the example of the model company Global Bike Inc. (GBI) created for teaching purposes by SAP University Alliances.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[liEMU2_K02] The student can communicate freely with the public on specialised topics in the field of computer science and econometrics in and outside the workplace, communicate his knowledge and share his skills through various media. Culturally participates in discussions, is not afraid to ask questions and knows how to give constructive criticism.	The student is able to communicate with environment on topics related with ERP system.	[SK2] presentation/project/paper/report [SK5] implementation of a problem task
	[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 transfer his knowledge on ERP systems and shares his skills using various media.	[SK2] presentation/project/paper/report [SK4] test/exam - oral or written [SK5] 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 enabling the acquisition, processing and analysis of data regarding processes supported by ERP systems.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[liEMU2_U04] The student is able to plan, design, and program information systems at an advanced level, supporting the operation of business entities.	The student is able to plan the use of SAP S/4 HANA on example of logistics processes and analyze the case of implementing an ERP system.	[SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[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 sources of economics data and documents registered in ERP system.	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[liEMU2_U02] The student is able to proficiently acquire detailed information about economic processes and phenomena through direct observation, planned experimentation or database queries, as well as collect and process it using modern information technology tools.	The student is able to acquire detail information from SAP S/4 HANA system.	[SU2] presentation/project/paper/report
Subject contents	Lecture topics: 1. Origin and generations of ERP systems. 2. Structure and properties of ERP systems. 3. ERP systems life cycle. 4. The ERP systems market in the world and in Poland. 5. Trends in development of ERP systems. Laboratory topics: 1. SAP S/4 HANA system as enterprise software (including SAP UA presentation). 2. Principles of using ERP systems on the example of SAP S/4 HANA system (navigation in SAP S/4 HANA system) and case study analysis - GBI model enterprise. 3. Application of the Sales and Distribution (SD) module, including a presentation prepared by SAP UA regarding the functional capabilities, organizational structures and master data of the SD module and performing exercises 4. Assessment of the SD module (reporting and presentation). 5. Analysis and presentation of the SAP S/4HANA system implementation case.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	analysis and presentation of the ERP system implementation case	51.0%	25.0%
	report from SAP S/4 HANA system	51.0%	25.0%
	written exam	51.0%	50.0%

Recommended reading	Basic literature	1. Lenart A., Systemy ERP, [w:] Wrycza S., Maślankowski J. (red.), Informatyka ekonomiczna. Teoria i zastosowania, Wydanie II, PWN, Warszawa 2019 (chapter 17). 2. Intro to SAP S4HANA Using Global Bike 4.2, learning materials, SAP University Alliances, July 2023. 3. A course for the subject "SAP ERP System" on the UG Educational Portal.
	Supplementary literature	1. Lopez R., Mohapatra A., SAP Sales and Distribution (SAP SD) Configuration Guide, SAP Press, 2nd edition 2015. 2. Olcott J., Simmonds J., Sales and Distribution with SAP S/4HANA: Business User Guide, SAP Press 2021. 3. Schulz O., Using SAP: An Introduction Learning SAP for Beginners and Business Users, 3rd Edition, SAP Press 2017. 4. Viswanthan V. K., Szymanski R., Understanding SAP ERP Integration: Guide to SAP TERP10 Certification, Infivista Inc. 2015.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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