

Subject card

Subject name and code	Business Process Management with SAP ERP, PG_00187209						
Field of study	International Business						
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 show the role of ERP systems (transactional systems) in realizing efficient flow of resources in companies and supply chains. To gain skills by students to manage business processes with SAP ERP system, the most popular ERP system worldwide. To prepare students to work in companies with a global range. To show functioning of ERP applications, widely used in every sector in global economy.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[IBL3_W03] knows and understands at an advanced level selected research methods and tools, including information technologies and techniques for data collection and analysis used in the study of economic and business phenomena.	Student understands the importance of transactional systems (especially ERP) in business process management. Student characterizes the functioning of ERP systems and their impact on the flow of information across the enterprise and supply chain.	[SW4] test/exam - oral or written
	[IBL3_U02] is able to formulate and solve complex problems related to international business by applying quantitative and qualitative research methods used in economics, finance and international business.	Student plans and executes the process of procurement and production. Student understands the rules of business process management and the role of ERP system in it. Student uses SAP ERP system to manage procurement, production planning and execution and optimize their outcomes.	[SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[IBL3_U09] is able to work independently and in teams, including interdisciplinary teams, and to plan and organise own tasks as well as teamwork.	Student identifies and solves complex decision problems in the areas of sourcing, production planning and execution. Student is able to communicate with suppliers and customers in order to plan seamless flow of resources in the area of sourcing and production.	[SU5] implementation of a problem task [SU8] observation of student's independent or team work
Subject contents	1. Introduction to ERP systems: 1.1. Characteristics of ERP systems 1.2. Architecture of ERP systems 1.3. ERP market, main vendors of ERP solutions 2. General information about SAP AG and its products 3. Introduction to GBI study 3.1. Structure of the database 3.2. Basic information about business processes 3.3. Discussion about organization characteristics mapped in eEPC notation 4. Navigation in SAP ERP 5. Materials Management module in SAP ERP: 5.1. Introduction to MM study 5.2. Creating new records in master data 5.3. Creating purchase requisitions and requests for quotation 5.4. Maintaining quotations from vendors 5.5. Creating purchase orders and goods receipts 5.6. Verifying physical receipts 5.7. Posting payment to vendors 6. Production Planning module in SAP ERP: 6.1. Introduction to PP study 6.2. Creating and changing records in Material Master 6.3. Changing routing 6.4. Creating SOP (Sales and Operation Plan) 6.5. Running Master Production Schedule 6.6. Creating production orders 6.7. Confirming production completion 6.8. Receiving goods from production orders 6.9. Review of costs assigned to production orders		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	final test	51.0%	60.0%
	ongoing assessment of own student work	51.0%	40.0%
Recommended reading	Basic literature	SAP University Alliances materials additional materials uploaded by teacher L. K. Lau, Managing Business with SAP: Planning, Implementation and Evaluation, Idea Group Inc., 2005. Szmelter A., Communication in global supply chains in automotive industry, Information Systems in Management 2015, Vol. 4, no 3, p. 205-218	

	Supplementary literature	D. E. OLeary, Enterprise Resource Planning Systems. Systems, Life Cycle, Electronic Commerce and Risk, Cambridge University Press, 2000. S. R. Magal, J. Word, Integrated Business Processes with ERP Systems, Jhn Wiley & Sons, 2011. M. Murray, Discover logistics with SAP ERP, Galileo Press, 2008. J. T. Dickersbach, G. Keller, Production Planning and Control with SAP ERP, Galileo Press, 2011. E. Monk, B. Wagner, Enterprise Resource Planning, Cengage Learning EMEA, 2008. G. C. Williams, Implementing SAP ERP Sales&Distribution, McGraw Hill Professional, 2008. J. Kappauf, B. Lauterbach, M. Koch, Logistics Core Operations with SAP, Springer, 2011.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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