

Subject card

Subject name and code	Business Process Management with SAP ERP, PG_00129833						
Field of study	International Business						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2025/2026		
Education level	Bachelor's studies	Subject group			Obligatory subject group 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 Please correct for English		
Semester of study	5	ECTS credits			4.0		
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		dr Agnieszka Szmelter-Jarosz				
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		20.0		50.0	100
Subject objectives	<p>To show the role of ERP systems (transactional systems) in realizing efficient flow of resources in companies and supply chains.</p> <p>To gain skills by students to manage business processes with SAP ERP system, the most popular ERP system worldwide.</p> <p>To prepare students to work in companies with a global range.</p> <p>To show functioning of ERP applications, widely used in every sector in global economy.</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[IBL3_U02] can formulate and solve complex and nonstandard issues in international business by employing quantitative and qualitative research methods and tools, as well as advanced communication and information techniques applicable in the field of international business, economics and finance	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.	[SU4] test/exam - oral or written [SU8] observation of student's independent or team work
	[IBL3_K01] is ready to recognise the importance of knowledge in the field of international business in identifying and solving business theoretical and practical issues; is ready to consult with experts in case of facing difficulties in solving business issues individually	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.	[SK8] observation of student's independent or team work
	[IBL3_K04] is ready to think and act in an entrepreneurial manner	Student is open to new methods for solving decision problems in different areas of business activity	[SK8] observation of student's independent or team work
	[IBL3_W03] knows and understands selected research methods and tools, including IT tools and data acquisition techniques, which are applicable to international business issues	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
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	<p>D. E. OLeary, Enterprise Resource Planning Systems. Systems, Life Cycle, Electronic Commerce and Risk, Cambridge University Press, 2000.</p> <p>S. R. Magal, J. Word, Integrated Business Processes with ERP Systems, Jhn Wiley & Sons, 2011.</p> <p>M. Murray, Discover logistics with SAP ERP, Galileo Press, 2008.</p> <p>J. T. Dickersbach, G. Keller, Production Planning and Control with SAP ERP, Galileo Press, 2011.</p> <p>E. Monk, B. Wagner, Enterprise Resource Planning, Cengage Learning EMEA, 2008.</p> <p>G. C. Williams, Implementing SAP ERP Sales&Distribution, McGraw Hill Professional, 2008.</p> <p>J. Kappauf, B. Lauterbach, M. Koch, Logistics Core Operations with SAP, Springer, 2011.</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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