

Subject card

Subject name and code	Business Process Management with SAP ERP, PG_00173363						
Field of study	International Business						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
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		Polish please change for English		
Semester of study	5		ECTS credits		4.0		
Learning profile	academic		Assessment form				
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		10.0		60.0	100
Subject objectives	The aim of this course is to show the role of ERP systems (transactional systems) in realizing efficient flow of resources in companies and supply chains, and to gain skills by students to manage business processes with SAP ERP system, the most popular ERP system worldwide. The course should prepare students to work in companies with a global range and show functioning of ERP applications, widely used in every sector in global economy						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[IBL3_K04] is ready to think and act in an entrepreneurial manner	Student is ready to think and act in an entrepreneurial manner. The student is able to formulate questions and concerns related to task implementation and deepen their understanding of the content during consultations with the teacher.	[SK8] 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 is ready to recognise the importance of SAP ERP system; is ready to consult with teacher during consultation hours in case of facing difficulties in solving business issues individually.	[SK8] observation of student's independent or team work
	[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 can formulate and solve complex and nonstandard issues in international business by employing quantitative and qualitative research methods and tools based on SAP ERP system.	[SU4] test/exam - oral or written [SU8] 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 knows and understands SAP ERP system to manage procurement, production planning and execution and optimize their outcomes.	[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
	Own work during classes (case studies)	51.0%	40.0%
	Test	51.0%	60.0%
Recommended reading	Basic literature	A.1. used during classes SAP University Alliances materials 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 A.2. self-study literature SAP University Alliances materials; additional materials uploaded by teacher	
	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	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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