



Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00066482						
Field of study	Economic Analytics						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2025/2026		
Education level	first-cycle 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	2	Language of instruction			English		
Semester of study	4	ECTS credits			5.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Tomasz Janowski					
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	30.0	0.0	0.0	60
	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	60		6.0		59.0	125
Subject objectives	Explains how digitization transforms modern enterprises, pointing to the links between information systems and business processes						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W02] Demonstrates advanced knowledge of methods and techniques related to the field of study in economic analytics to explain complex problems.	chooses information methods and techniques to solve problems in a company			[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
	[K6_U07] Applies advanced information technologies to enhance data analysis and decision-making processes.	applies information systems to support decision-making processes and build the company's value			[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject		
Subject contents	Lectures: Introduction - digital enterprise Typology - types of enterprise information systems Organization - impact of organization on information systems Society - digital enterprise in the society Economy - digital enterprise in the economy Labs: Fundamentals of the SAP system, Global Bike company in SAP Sales and distribution process in SAP Materials management process in SAP Production planning and implementation process in SAP Accounting and financial process in SAP Control process in SAP Human resources management process in SAP Colloquium						
Prerequisites and co-requisites	Fundamentals of computer science, management, marketing, production management and microeconomics						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Colloquium	60.0%	25.0%
	Exam	60.0%	45.0%
	Activity	0.0%	10.0%
	Project	0.0%	20.0%
Recommended reading	Basic literature	Kenneth C. Laudon and Jane P. Laudon. (2022). Management information systems: Managing the digital firm. 17th edition. Pearson Education. Rymarczyk T. (2019). Współczesne trendy technologiczne w informatycznych systemach złożonych. Lublin: Monografie WSEI. Kisielnicki J. (2013). Systemy informatyczne zarządzania. Warszawa: Wydawnictwo Placet. Gawin B. (2015). Systemy informatyczne w zarządzaniu procesami Workflow. Warszawa: Wydawnictwo Naukowe PWN. Szyjewski Z. (2013). Metodyki zarządzania projektami informatycznymi. Warszawa: Wydawnictwo Placet. Monnox A. (2005). J2EE. Podstawy programowania aplikacji korporacyjnych. Helion.	
	Supplementary literature	SAP. (2018). Training materials for the SAP education license. SAP. Jerzy Auksztol, Piotr Balwierz, Magdalena Chomuszko. (2012). SAP Zrozumieć system ERP. Wydawnictwo Naukowe PWN. Erik Brynjolfsson, Andrew McAfee. (2016). The Second Machine Age - Work, Progress, and Prosperity in a Time of Brilliant Technologies. Norton.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	What are the management, organizational and technological components of information systems? How do information systems serve different management groups in an enterprise? What is the impact of information systems on organizations? What ethical, social and political issues are addressed by information systems? What are the current trends in computer software platforms? What are the problems with managing data resources in a traditional file environment? How does the Internet and Internet technology work and how do they support communication and ebusiness? What are the most important tools and technologies for protecting IT resources? How do supply chain management systems coordinate planning, production and logistics with suppliers? What is the role of m-commerce in business and what are the most important m-commerce applications? What are the main types of knowledge-based work processes and how do they serve a company? How do information systems support managers' decision-making? What are the new approaches to building systems in the digital age? What are the main risk factors in IT system projects and how can they be managed?		
Work placement	Not applicable		

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