



Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00058563						
Field of study	Economic Analytics						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2023/2024		
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	Part-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		English The course is taught in two languages, English and Polish.		
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		dr Tomasz Janowski dr inż. Bartosz Woliński				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	16.0	0.0	16.0	0.0	0.0	32
	E-learning hours included: 0.0						
	Address on the e-learning platform: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=17374						
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	32		10.0		83.0	125
Subject objectives	The aim of the course is introduction to the modern practice of the use of information systems by enterprises for achieving strategic objectives such as operational excellence, development of new products and services, improving decision-making, and gaining competitive advantage. Another goal is answering the question how the use of information systems and technologies transforms a traditional enterprise into a modern digital enterprise, and what is the impact of this transformation on the socioeconomic environment.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U07] Applies advanced information technologies to enhance data analysis and decision-making processes.		applies information technologies and systems to ensure the availability of high-quality data and algorithms that can support an enterprise in making informed decisions, pursuing strategic goals, and delivering value to customers and stakeholders		[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task		
	[K6_W02] Demonstrates advanced knowledge of methods and techniques related to the field of study in economic analytics to explain complex problems.		selects information technology methods and techniques to recognize, diagnose, and address problems occurring in an enterprise and to analyze the impact of these solutions on the enterprise and its socioeconomic environment		[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation		

Subject contents	Lectures: Introduction - digital enterprise Typology - types of enterprise information systems Organization - impact of organization on information systems 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 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	<ul style="list-style-type: none">• 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.• SAP. (2018). Materiały szkoleniowe do wersji edukacyjnej systemu. SAP.• Jerzy Auksztol, Piotr Balwierz, Magdalena Chomuszek. (2012). SAP Zrozumieć system ERP. Wydawnictwo Naukowe PWN.• Szyjewski Z. (2013). Metodyki zarządzania projektami informatycznymi. Warszawa: Wydawnictwo Placet	
	Supplementary literature	<ul style="list-style-type: none">• Erik Brynjolfsson, Andrew McAfee. (2016). The Second Machine Age - Work, Progress, and Prosperity in a Time of Brilliant Technologies. Norton.• Gawin B. (2015). Systemy informatyczne w zarządzaniu procesami Workflow. Warszawa: Wydawnictwo Naukowe PWN.• Kisielnicki J. (2013). Systemy informatyczne zarządzania Warszawa: Wydawnictwo Placet.	
	eResources addresses	Adresy na platformie eNauczanie: 2023/2024 Enterprise Information Systems - Moodle ID: 35983 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=35983	
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none">1. What are the strategic goals of enterprise information systems?2. How does the information system realize value for the enterprise?3. What disciplines study information systems and what do each of them bring?4. How are business processes related to information systems?5. How do information systems join and improve the effectiveness of an enterprise?6. What is the role of information systems function in an enterprise?7. How does organization influence the creation and use of information systems?8. How do information systems affect the operation of the organization?		
Work placement	Not applicable		

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