



Subject card

Subject name and code	Enterprise Information Systems, PG_00053097						
Field of study	Data Engineering						
Date of commencement of studies	October 2023		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group		Optional subject group 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		5.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Informatics In Management -> Faculty of Management and Economics -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Radosław Drozd				
	Teachers		dr inż. Radosław Drozd				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	30.0	0.0	0.0	45
	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	45		4.0		76.0	125
Subject objectives	The aim of the course is to introduce the theory and practice of using information technologies and systems by organizations to achieve strategic goals and implement digital transformation.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W09] has advanced knowledge of the nature of economic sciences and ways of its description with IT tools		is able to classify, select and plan the implementation of information systems to achieve strategic goals and solve problems of the organization		[SW1] Assessment of factual knowledge		
	[K6_U08] can acquire and apply possessed theoretical knowledge of economic sciences to analyse economic processes		is able to select and apply information systems to analyse, support and automate management processes		[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
Subject contents	LECTURES Introduction - digital enterprise Typology - types of enterprise information systems Organization - mutual impact of organizations on information systems and systems on organizations LABORATORY Applying the SAP system in organizational activities, modules: Sales and distribution, Materials management, Production planning and execution, and Financial accounting accounts receivable						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Activity during lecture		0.0%		10.0%		
	Quiz		60.0%		45.0%		
	Project		60.0%		20.0%		
	Activity during labs		60.0%		25.0%		

Recommended reading	Basic literature	Kenneth C. Laudon and Jane P. Laudon. (2022). Management information systems: Managing the digital firm. 17th edition. Pearson Education. Introduction to SAP S/4HANA. Next Generation Business Suite, Last Update: July 2023, ©2023 SAP SE / SAP UCC Magdeburg
	Supplementary literature	Erik Brynjolfsson, Andrew McAfee. The Second Machine Age - Work, Progress, and Prosperity in a Time of Brilliant Technologies. Norton. 2016
	eResources addresses	
Example issues/ example questions/ tasks being completed	What are the strategic goals of enterprise information systems?How does the information system realize value for the enterprise?What disciplines study information systems and what do each of them bring?How are business processes related to information systems?How do information systems join and improve the effectiveness of an enterprise?What is the role of information systems function in an enterprise?How does organization influence the creation and use of information systems?How do information systems affect the operation of the organization?	
Work placement	Not applicable	

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