GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00061400						
Field of study	Engineering Management						
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	Part-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		English		
Semester of study	3		ECTS credits		5.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department Of Informatics In Management -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej						
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	16.0	0.0	16.0	0.0	0.0	32
	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	32	7.0	86.0	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_W02] demonstrates advanced preparation in the methods and techniques of formulating and solving problems	is able to plan the implementation of information systems to pursue strategic goals and solve the organization's problems	[SW1] Assessment of factual knowledge
	[K6_U07] applies information technology to improve critical analysis and evaluation of data and management 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

Subject contents	LECTURES Introduction - digital enterprise Typology - types of enterprise information systems Organization - impact of organization on information systems LABORATORY Sales and distribution Materials management Production planning and execution

Prerequisites and co-requisites	

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Activity during lectures	0.0%	10.0%
	Exam	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	Adresy na platformie eNauczanie:
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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