GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00061334		
Field of study	Engineering Management		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2024/2025
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 The course is taught in two languages, English and Polish.
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		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Tomasz Janowski	
	Teachers	dr inż. Radosław Drozd	
		dr Tomasz Janowski	

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	7.0	58.0	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 • Society - digital enterprise in the society • Economy - digital enterprise in the economy LABORATORY • Sales and distribution • Materials management • Production planning and execution • Financial accounting accounts receivable

Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Project	60.0%	20.0%
Exam	60.0%	45.0%
Activity during lecture	0.0%	10.0%
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: 2024/2025 Enterprise Information Systems - Moodle ID: 39479 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=39479

Example issues/ example questions/ tasks being completed

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?
9. What are the ethical, social and political problems related to information systems?
10. What challenges does contemporary technology create for individual privacy?
11. What challenges does contemporary technology create for intellectual property?
12. How do information systems affect individual rights and obligations?
13. What are the main characteristics of digital commerce?
14. What are the digital commerce business and revenue models?
15. How does digital commerce transform marketing and transactions?

Work placement	Not applicable

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