



## Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00061400						
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	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	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. Bartosz Woliński  dr Tomasz Janowski				
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_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		
	[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		
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 labs		60.0%		25.0%		
	Project		60.0%		20.0%		
	Exam		60.0%		45.0%		
	Activity during lectures		0.0%		10.0%		

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 <a href="https://enauclanie.pg.edu.pl/moodle/course/view.php?id=39479">https://enauclanie.pg.edu.pl/moodle/course/view.php?id=39479</a>
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> <li>• What are the strategic goals of enterprise information systems?</li> <li>• How does the information system realize value for the enterprise?</li> <li>• What disciplines study information systems and what do each of them bring?</li> <li>• How are business processes related to information systems?</li> <li>• How do information systems join and improve the effectiveness of an enterprise?</li> <li>• What is the role of information systems function in an enterprise?</li> <li>• How does organization influence the creation and use of information systems?</li> <li>• How do information systems affect the operation of the organization?</li> </ul>	
Work placement	Not applicable	

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