



Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00066562						
Field of study	Economic Analytics						
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 (on-line)	Mode of delivery			at the university		
Year of study	2	Language of instruction			English		
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						
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		6.0		87.0	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 knowledge of methods and techniques related to the field of study in economic analytics to explain complex problems.	Selects information technology methods and techniques for identifying, diagnosing, and solving problems occurring within an enterprise and its socio-economic environment.			[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
	[K6_U07] Applies advanced information technologies to enhance data analysis and decision-making processes.	Applies information technology and systems to ensure the availability of high-quality data and algorithms that can support the enterprise in making informed decisions, achieving strategic goals, and delivering value to customers and stakeholders.			[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task		

Subject contents	<p>LECTURES</p> <ul style="list-style-type: none"> • Introduction - digital enterprise • Typology - types of enterprise information systems • Organization - mutual impact of organization and information systems <p>LABORATORY</p> <ul style="list-style-type: none"> • Sales and distribution • Materials management • Production planning and execution • Financial accounting accounts receivable 																	
Prerequisites and co-requisites	Fundamentals of computer science, management, marketing, production management and microeconomics																	
Assessment methods and criteria	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Subject passing criteria</th> <th style="width: 33%;">Passing threshold</th> <th style="width: 34%;">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>Activity during labs</td> <td>60.0%</td> <td>25.0%</td> </tr> <tr> <td>Activity during lectures</td> <td>0.0%</td> <td>10.0%</td> </tr> <tr> <td>Project</td> <td>60.0%</td> <td>20.0%</td> </tr> <tr> <td>Exam</td> <td>60.0%</td> <td>45.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Activity during labs	60.0%	25.0%	Activity during lectures	0.0%	10.0%	Project	60.0%	20.0%	Exam	60.0%	45.0%
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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. • Introduction to SAP S/4HANA. Next Generation Business Suite, Last Update: July2023, ©2023 SAP SE / SAP UCC Magdeburg 																
	Supplementary literature	<p>Erik Brynjolfsson, Andrew McAfee. (2016). The Second Machine Age - Work, Progress, and Prosperity in a Time of Brilliant Technologies. Norton.</p>																
	eResources addresses	Adresy na platformie eNauczanie:																
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 an information system create value for an enterprise? 3. Which disciplines study information systems, and what does each contribute? 4. How are business processes connected to information systems? 5. How do information systems integrate and enhance enterprise efficiency? 6. What is the role of information system functions in an enterprise? 7. How does an organization influence the development and use of information systems? 8. How do information systems impact the functioning of an organization? 																	
Work placement	Not applicable																	

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