



Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00061451						
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 (on-line)	Mode of delivery			at the university		
Year of study	2	Language of instruction			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						
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	Uses IT systems to achieve strategic goals in terms of improving decision-making processes and gaining a competitive advantage, transforming a traditional enterprise into a digital enterprise						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W02] demonstrates advanced preparation in the methods and techniques of formulating and solving problems	solves complex problems of organization functioning using advanced methods and techniques			[SW1] Assessment of factual knowledge		
	[K6_U07] applies information technology to improve critical analysis and evaluation of data and management processes	analyzes and critically evaluates management processes using advanced information technologies			[SU4] Assessment of ability to use methods and tools		

Subject contents	<p>LECTURE</p> <p>Introduction</p> <p>Transforming the modern enterprise through digitization</p> <p>Strategic objectives of enterprise information systems</p> <p>Functions and elements of the information system</p> <p>Implementation of value for the company by the IT system</p> <p>Areas where IT systems are used</p> <p>Typology</p> <p>Linking business processes with IT systems</p> <p>Supporting management groups in the enterprise by IT systems</p> <p>The impact of information systems on increasing the efficiency of the enterprise</p> <p>Supporting cooperation and social business through IT systems</p> <p>The role of information systems functions in the enterprise</p> <p>Organization</p> <p>The influence of the organization affects the creation and use of information systems</p> <p>The impact of information systems on the functioning of the organization</p> <p>Strategies helping to compete based on IT systems</p> <p>Challenges faced by IT systems and how to solve them</p> <p>Society</p> <p>Ethical, social and political problems related to information systems</p> <p>Challenges posed by modern technology to individual privacy</p> <p>Challenges posed by modern technology for intellectual property</p> <p>The impact of information systems on the rights and obligations of people</p> <p>Economy</p> <p>Main features of e-commerce</p> <p>Business and profitable models of e-commerce</p> <p>Marketing and transactions in digital commerce</p> <p>Problems in building digital commerce</p> <p>LABORATORY</p> <p>Basics of the SAP system, Global Bike company in SAP</p> <p>Sales and distribution process in SAP</p> <p>Materials management process in SAP</p> <p>The process of planning and implementing production in SAP</p> <p>Accounting and financial process in SAP</p> <p>Control process in SAP</p> <p>Human resource management process in SAP</p>														
Prerequisites and co-requisites															
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 1012 794 1039">Subject passing criteria</th> <th data-bbox="801 1012 1139 1039">Passing threshold</th> <th data-bbox="1145 1012 1482 1039">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 1048 794 1075">Project</td> <td data-bbox="801 1048 1139 1075">60.0%</td> <td data-bbox="1145 1048 1482 1075">40.0%</td> </tr> <tr> <td data-bbox="456 1084 794 1111">Exam</td> <td data-bbox="801 1084 1139 1111">60.0%</td> <td data-bbox="1145 1084 1482 1111">50.0%</td> </tr> <tr> <td data-bbox="456 1120 794 1146">Activity</td> <td data-bbox="801 1120 1139 1146">60.0%</td> <td data-bbox="1145 1120 1482 1146">10.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Project	60.0%	40.0%	Exam	60.0%	50.0%	Activity	60.0%	10.0%
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Activity	60.0%	10.0%													
Recommended reading	<p>Basic literature</p> <p>Supplementary literature</p> <p>eResources addresses</p>	<p>Rymarczyk T. Współczesne trendy technologiczne w informatycznych systemach złożonych. Monografie WSEI, Lublin 2019</p> <p>Kisielnicki J. Systemy informatyczne zarządzania. Wydawnictwo Placet, Warszawa 2013</p> <p>Gawin B. Systemy informatyczne w zarządzaniu procesami Workflow. Wydawnictwo Naukowe PWN, Warszawa 2015</p> <p>Szyjewski Z. Metodyki zarządzania projektami informatycznymi Wydawnictwo Placet, Warszawa 2013</p> <p>Kenneth C. Laudon and Jane P. Laudon. Management information systems: Managing the digital firm. 17th edition. Pearson Education. 2022</p> <p>Erik Brynjolfsson, Andrew McAfee. The Second Machine Age - Work, Progress, and Prosperity in a Time of Brilliant Technologies. Norton. 2016</p> <p>Adresy na platformie eNauczanie:</p>													
Example issues/ example questions/ tasks being completed	<p>Description of the enterprise and products in terms of the ERP system</p> <p>Implementation of purchases and sales in the ERP system</p> <p>MRP planning</p> <p>Simulation of manufacturing processes</p> <p>A project for the implementation of an integrated customer order fulfillment process in a selected production company</p>														
Work placement	Not applicable														

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