



## Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00058563						
Field of study	Economic Analytics						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2023/2024		
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	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	dr Tomasz Janowski dr inż. Bartosz Woliński					
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 Address on the e-learning platform: <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=17374">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=17374</a>						
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	10.0		83.0		125
Subject objectives	The aim of the course is introduction to the modern practice of the use of information systems by enterprises for achieving strategic objectives such as operational excellence, development of new products and services, improving decision-making, and gaining competitive advantage. Another goal is answering the question how the use of information systems and technologies transforms a traditional enterprise into a modern digital enterprise, and what is the impact of this transformation on the socioeconomic environment.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U07] uses information technologies to improve data analysis and decision-making processes	applies information technologies and systems to ensure the availability of high-quality data and algorithms that can support an enterprise in making informed decisions, pursuing strategic goals, and delivering value to customers and stakeholders			[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task		
	[K6_W02] demonstrates comprehensive preparation in the field of methods, techniques for formulating and solving problems	selects information technology methods and techniques to recognize, diagnose, and address problems occurring in an enterprise and to analyze the impact of these solutions on the enterprise and its socioeconomic environment			[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation		

Subject contents	<p>Lectures: Introduction - digital enterprise Typology - types of enterprise information systems Organization - impact of organization on information systems</p> <p>Labs: Fundamentals of the SAP system, Global Bike company in SAP Sales and distribution process in SAP Materials management process in SAP Production planning and implementation process in SAP Accounting and financial process in SAP Colloquium</p>																	
Prerequisites and co-requisites	Fundamentals of computer science, management, marketing, production management and microeconomics																	
Assessment methods and criteria	<table border="1" data-bbox="450 510 1489 685"> <thead> <tr> <th data-bbox="450 510 794 546">Subject passing criteria</th> <th data-bbox="794 510 1139 546">Passing threshold</th> <th data-bbox="1139 510 1489 546">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 546 794 582">Colloquium</td> <td data-bbox="794 546 1139 582">60.0%</td> <td data-bbox="1139 546 1489 582">25.0%</td> </tr> <tr> <td data-bbox="450 582 794 618">Exam</td> <td data-bbox="794 582 1139 618">60.0%</td> <td data-bbox="1139 582 1489 618">45.0%</td> </tr> <tr> <td data-bbox="450 618 794 654">Activity</td> <td data-bbox="794 618 1139 654">0.0%</td> <td data-bbox="1139 618 1489 654">10.0%</td> </tr> <tr> <td data-bbox="450 654 794 685">Project</td> <td data-bbox="794 654 1139 685">0.0%</td> <td data-bbox="1139 654 1489 685">20.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Colloquium	60.0%	25.0%	Exam	60.0%	45.0%	Activity	0.0%	10.0%	Project	0.0%	20.0%
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Recommended reading	Basic literature	<ul style="list-style-type: none"> <li>• Kenneth C. Laudon and Jane P. Laudon. (2022). Management information systems: Managing the digital firm. 17th edition. Pearson Education.</li> <li>• Rymarczyk T. (2019). Współczesne trendy technologiczne w informatycznych systemach złożonych. Lublin: Monografie WSEI.</li> <li>• SAP. (2018). Materiały szkoleniowe do wersji edukacyjnej systemu. SAP.</li> <li>• Jerzy Auksztol, Piotr Balwierz, Magdalena Chomuszko. (2012). SAP Zrozumieć system ERP. Wydawnictwo Naukowe PWN.</li> <li>• Szyjewski Z. (2013). Metodyki zarządzania projektami informatycznymi. Warszawa: Wydawnictwo Placet</li> </ul>																
	Supplementary literature	<ul style="list-style-type: none"> <li>• Erik Brynjolfsson, Andrew McAfee. (2016). The Second Machine Age - Work, Progress, and Prosperity in a Time of Brilliant Technologies. Norton.</li> <li>• Gawin B. (2015). Systemy informatyczne w zarządzaniu procesami Workflow. Warszawa: Wydawnictwo Naukowe PWN.</li> <li>• Kisielnicki J. (2013). Systemy informatyczne zarządzania Warszawa: Wydawnictwo Placet.</li> </ul>																
	eResources addresses	<p>Adresy na platformie eNauczanie: 2023/2024 Enterprise Information Systems - Moodle ID: 35983 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=35983">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=35983</a></p>																
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> <li>1. What are the strategic goals of enterprise information systems?</li> <li>2. How does the information system realize value for the enterprise?</li> <li>3. What disciplines study information systems and what do each of them bring?</li> <li>4. How are business processes related to information systems?</li> <li>5. How do information systems join and improve the effectiveness of an enterprise?</li> <li>6. What is the role of information systems function in an enterprise?</li> <li>7. How does organization influence the creation and use of information systems?</li> <li>8. How do information systems affect the operation of the organization?</li> </ol>																	
Work placement	Not applicable																	