



## Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00058511						
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	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	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 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 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	60	10.0		55.0		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_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			[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
	[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			[SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject		

Subject contents	<p>Lectures:</p> <p>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</p> <p>Labs:</p> <p>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  Control process in SAP  Human resources management 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"> <thead> <tr> <th data-bbox="459 667 794 701">Subject passing criteria</th> <th data-bbox="802 667 1137 701">Passing threshold</th> <th data-bbox="1145 667 1481 701">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="459 712 794 745">Project</td> <td data-bbox="802 712 1137 745">0.0%</td> <td data-bbox="1145 712 1481 745">20.0%</td> </tr> <tr> <td data-bbox="459 757 794 790">Colloquium</td> <td data-bbox="802 757 1137 790">60.0%</td> <td data-bbox="1145 757 1481 790">25.0%</td> </tr> <tr> <td data-bbox="459 801 794 835">Exam</td> <td data-bbox="802 801 1137 835">60.0%</td> <td data-bbox="1145 801 1481 835">45.0%</td> </tr> <tr> <td data-bbox="459 846 794 880">Activity</td> <td data-bbox="802 846 1137 880">0.0%</td> <td data-bbox="1145 846 1481 880">10.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Project	0.0%	20.0%	Colloquium	60.0%	25.0%	Exam	60.0%	45.0%	Activity	0.0%	10.0%
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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	Adresy na platformie eNauczanie: 2023/2024 Enterprise Information Systems - Moodle ID: 35983 <a href="https://enauzanie.pg.edu.pl/moodle/course/view.php?id=35983">https://enauzanie.pg.edu.pl/moodle/course/view.php?id=35983</a>																
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> <li>9. What are the ethical, social and political problems related to information systems?</li> <li>10. What challenges does contemporary technology create for individual privacy?</li> <li>11. What challenges does contemporary technology create for intellectual property?</li> <li>12. How do information systems affect individual rights and obligations?</li> <li>13. What are the main characteristics of digital commerce?</li> <li>14. What are the digital commerce business and revenue models?</li> <li>15. How does digital commerce transform marketing and transactions?</li> </ol>																	
Work placement	Not applicable																	