



Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00050167						
Field of study	Economic Analytics						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2021/2022		
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			blended-learning		
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. Radosław Drozd					
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: 30.0						
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	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 goals such as: operational excellence, development of new products and services, improved decision-making, or competitive advantage. Another goal is to answer the question of how the use of information systems and technologies transforms a traditional enterprise into a modern digital enterprise, and what is the impact of such transformation on the socio-economic environment.						
Learning outcomes	Course outcome	Subject outcome		Method of verification			
	[K6_U12] Can work in a team, including project, managerial and executive roles.	Team execution of the lab tasks.		[SU1] Assessment of task fulfilment			
	[K6_K01] Understands the need for continuous learning, improving professional, personal and social competences.	Students understand the evolving nature of technology-enabled organizations and the importance of continued learning to keep abreast with the changes.		[SK2] Assessment of progress of work [SK5] Assessment of ability to solve problems that arise in practice			
	[K6_W09] Knows the ways and tools of acquiring and collecting data, including IT data, used in the analysis and explanation of socio-economic phenomena and processes.	Students are able to classify and describe information technology environments used to build information systems and know the concepts and practice of IT project management.		[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge			
Subject contents	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 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						
Prerequisites and co-requisites	Fundamentals of computer science, management, marketing, production management and microeconomics						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Colloquium	60.0%	25.0%
	Project	0.0%	20.0%
	Exam	60.0%	45.0%
	Activity	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. Rymarczyk T. (2019). Współczesne trendy technologiczne w informatycznych systemach złożonych. Lublin: Monografie WSEI. Kisielnicki J. (2013). Systemy informatyczne zarządzania. Warszawa: Wydawnictwo Placet. Gawin B. (2015). Systemy informatyczne w zarządzaniu procesami Workflow. Warszawa: Wydawnictwo Naukowe PWN . Szyjewski Z. (2013). Metodyki zarządzania projektami informatycznymi. Warszawa: Wydawnictwo Placet. Monnox A. (2005). J2EE. Podstawy programowania aplikacji korporacyjnych. Helion.	
	Supplementary literature	SAP. (2018). Training materials for the SAP education license. SAP. Jerzy Auksztol, Piotr Balwierz, Magdalena Chomuszek. (2012). SAP Zrozumieć system ERP. Wydawnictwo Naukowe PWN. Erik Brynjolfsson, Andrew McAfee. (2016). The Second Machine Age - Work, Progress, and Prosperity in a Time of Brilliant Technologies. Norton.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	What are the management, organizational and technological components of information systems? How do information systems serve different management groups in an enterprise? What is the impact of information systems on organizations? What ethical, social and political issues are addressed by information systems? What are the current trends in computer software platforms? What are the problems with managing data resources in a traditional file environment? How does the Internet and Internet technology work and how do they support communication and ebusiness? What are the most important tools and technologies for protecting IT resources? How do supply chain management systems coordinate planning, production and logistics with suppliers? What is the role of m-commerce in business and what are the most important m-commerce applications? What are the main types of knowledge-based work processes and how do they serve a company? How do information systems support managers' decision-making? What are the new approaches to building systems in the digital age? What are the main risk factors in IT system projects and how can they be managed?		
Work placement	Not applicable		