

表 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00040576							
Field of study	Engineering Management							
Date of commencement of studies	October 2022		Academic year of realisation of subject			2023/2024		
Education level	lucation 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 Inform	atics in Manag	ement -> Facul	ty of Managem	nent and	d Econo	mics	
Name and surname	Subject supervisor		dr Tomasz Janowski					
of lecturer (lecturers)	Teachers		dr Tomasz Janowski					
			dr inż. Radosław Drozd					
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
of instruction	Number of study hours	30.0	0.0	30.0	0.0		0.0	60
	E-learning hours inclu	ided: 0.0						
Learning activity and number of study hours	Learning activity Participation ir classes include plan		I didactic Participation in ed in study consultation hours		Self-study SUM			
	Number of study hours	umber of study 60 ours		8.0		57.0		125
Subject objectives	The aim of the course is introduction to the modern practice of the use of information systems by enterprises for achieving operational excellence, developing new products and services, improving decision-making, and gaining competitive advantage. Another goal is to answer 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 such transformation on the socioeconomic environment.							
Learning outcomes	Course out	Subject outcome			Method of verification			
	[K6_U12] can design the process of exploitation of production and IT infrastructure with the use of appropriate methods, techniques and tools		can determine what technologies and information systems are needed and point at innovative applications of information systems in an enterprise to achieve its goals including increasing productivity			[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_W12] has a basic knowledge of production management and occupational safety and ergonomics management, as well as information technologies necessary for engineering management		can recognize the management, organizational, and technical aspects of the adoption of information systems and plan the activities needed to build and manage information systems in the enterprise			[SW1] Assessment of factual knowledge		
	[K6_U09] obtains data for analysis and interpretation of results using information technology		can classify and describe information technology environments used to build information systems, and knows the concepts and practices of IT project management			[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject		

Subject contents	LECTURES						
Prerequisites	 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 LABORATORY Fundamentals of the SAP system, Global Bike company in SAP Sales and distribution process in SAP Materials management process in SAP Accounting and financial process in SAP Control process in SAP Human resources management process in SAP Colloquium 						
and co-requisites							
	 Foundations of information technology Information technology in management 						
Assessment memous	Subject passing criteria	Passing threshold	Percentage of the final grade				
anu untena	Exam	60.0%	45.0%				
		60.0%	25.0%				
		0.0%	10.0%				
	Project	0.0%	20.0%				
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 SAP. (2018). Materiały szkoleniowe do wersji edukacyjnej systemu. SAP. Jerzy Auksztol, Piotr Balwierz, Magdalena Chomuszko. (2012). SAP Zrozumieć system ERP. Wydawnictwo Naukowe PWN. Szyjewski Z. (2013). Metodyki zarządzania projektami informatycznymi. Warszawa: Wydawnictwo Placet 					
	Supplementary literature	 Erik Brynjolfsson, Andrew McAfee. (2016). The Second Machine Age - Work, Progress, and Prosperity in a Time of Brilliant Technologies. Norton. Gawin B. (2015). Systemy informatyczne w zarządzaniu procesami Workflow. Warszawa: Wydawnictwo Naukowe PWN. Kisielnicki J. (2013). Systemy informatyczne zarządzania. Warszawa: Wydawnictwo Placet. 					
	eResources addresses	Podstawowe https://enauczanie.pg.edu.pl/moodle/course/view.php?id=35983 - Adresy na platformie eNauczanie: 2023/2024 Enterprise Informatic Systems - Moodle ID: 35983 Adresy na platformie eNauczanie: 2023/2024 Enterprise Information Systems - Moodle ID: 35983 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=35983					

Example issues/ example questions/ tasks being completed	 What are the strategic goals of enterprise information systems? How does the information system realize value for the enterprise? What disciplines study information systems and what do each of them bring? How are business processes related to information systems? How do information systems join and improve the effectiveness of an enterprise? What is the role of information systems function in an enterprise? How does organization influence the creation and use of information systems? How do information systems affect the operation of the organization? What are the ethical, social and political problems related to information systems? What challenges does contemporary technology create for individual privacy? What are the main characteristics of digital commerce? What are the digital commerce business and revenue models? How does digital commerce transform marketing and transactions?
Work placement	Not applicable