



Subject card

Subject name and code	ENTERPRISE INFORMATION SYSTEMS, PG_00040528						
Field of study	Engineering Management						
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			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						
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	8.0		85.0		125
Subject objectives	The main goal of this study is the application of IT in the companys						
Learning outcomes	Course outcome		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		The student classifies and he circumscribes the medium and The student classifies computer technologies applied to the building of computer systems and software project management		[SU2] Assessment of ability to analyse information		
	[K6_U09] obtains data for analysis and interpretation of results using information technology		student classifies IT systems		[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information		
	[K6_W12] has a basic knowledge of production management and occupational safety and ergonomics management, as well as information technologies necessary for engineering management						
Subject contents	THE LECTURE: 1. Introduction (the strategies of the computerization and computer systems) 2. Modelling business processes (applied tools and methods) 3. Computer formations of enterprises (MRP, ERP, PLM, SCM, the profile of formations, the examples of uses) 4. Computer formations helping reports with customers CRM (the profile of systems, the possibility of integration with systems ERP, the examples of uses) 5. Bank computer systems, computer systems for the needs of the state administration and intelligent systems 6. Environments and computer technologies applied to the building of computer systems (. THE NET, J2EE, Open Source, CASE) 7. The management computer undertaking (projects aggregate, the methods of the management PMM, RUP, Agile, PRINCE2, good practices PMBOK) 8. The measure of the efficiency of computer undertakings (the definition of efficiency, quantitative methods, ilościowo- qualitative and qualitative) THE LABORATORY: Description of enterprise and articles in the categories of the system MSDAX 2009 Realization of purchases and sale in the system MSDAX Facing of MRP in the system MSDAX 2009 the Project of the realization of the integrated process of the realization of the in the chosen productive enterprise client orders						
Prerequisites and co-requisites	The basis of the computer science						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Exam	60.0%	50.0%
	Project	60.0%	50.0%
Recommended reading	Basic literature	1. Durlik I.: Restrukturyzacja procesów gospodarczych - reengineering, teoria i praktyka. Wyd. „Placet”, W-wa 1998 r. 2. Monnox A., J2EE. Podstawy programowania aplikacji korporacyjnych, Wydawnictwo: Helion, Listopad 2005 3. Orłowski C. Model rozmyty zarządzania przedsiębiorstwami informatycznymi, Politechnika Gdańska, 2004 4. Orłowski C., Projektowanie hybrydowych systemów informatycznych do wspomaganie zarządzania, Gdańsk 1999 5. Phillips Joseph, Zarządzanie projektami IT, Wydawnictwo: One Press, 2004 6. Platt D., Podstawy Microsoft NET, Wydawnictwo: Read Me 2005 7. Sommerville I., Inżynieria oprogramowania, wydawnictwo: Wydawnictwa Naukowo-Techniczne, 2003 8. Szejko S.: (red.) Metody wytwarzania oprogramowania. Warszawa: Mikom 2002 9. Szyjewski Z.: Zarządzanie projektami informatycznymi. Metodyka tworzenia systemów informatycznych. Warszawa, Agencja Placet 2001	
	Supplementary literature	1. Materiały własne do laboratoriów	
	eResources addresses		
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 1. Is the machine language created using the CASE tools. Explain 2. Please explain the functionalities of the Internet and Extranet 3. Which of those methodologies (SCRUM or RUP) should be used in Enterprise Architecture implementation 		
Work placement	Not applicable		