

Subject card

Subject name and code	Domain-specific IT Solutions, PG_00178144						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group 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		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Business Informatics -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Dorota Buchnowska, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	0.0	0.0	0.0	0.0	8
	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	8		1.0		41.0	50
Subject objectives	Familiarize students with the concept of enterprise architecture. Teach students to build enterprise architecture using the ArchiMate enterprise architecture modeling language.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[liEL3_U12] The student can design and implement IT systems to enhance business operations and effectively utilize modern ICT technologies for management and business communication.		The student is able to design the logical architecture of an enterprise information system, implement architectural models aligned with business requirements, and integrate modern ICT technologies to support organizational management and communication.		[SU2] presentation/project/paper/report		
	[liEL3_W08] The student has advanced knowledge and understanding of the possibilities and dilemmas of using informatics and statistics tools and their importance in the context of changing needs.		The student knows and understands the fundamental elements of the ArchiMate language for enterprise architecture modeling and understands how to analyze selected aspects of its structure and functionality using IT tools.		[SW2] presentation/project/paper/report		
Subject contents	The subject introduces the enterprise architecture concept and teaches students to build enterprise architecture using enterprise architecture modeling language ArchiMate						
Prerequisites and co-requisites	-						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	the final project		51.0%		100.0%		
Recommended reading	Basic literature		Fundamentals of Enterprise Architecture, by Tanu McCabe, O'Reilly, 2024				

	Supplementary literature	Digital Enterprises: Service-Focused, Digitally-Powered, Data-Fueled Editors: Henderik A. Proper, Bas van Gils, Kazem Haki, Springer 2023
	eResources addresses	
Example issues/ example questions/ tasks being completed	Developing Application layer enterprise architecture for a company in Archimate	
Work placement	Not applicable	

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