

Subject card

Subject name and code	Domain-specific IT Solutions, PG_00178064						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2027/2028		
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	full-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				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	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	15		1.0		34.0	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_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 is able to identify and apply basic elements of the ArchiMate language to model enterprise architecture and analyze selected aspects of its structure and functionality using IT tools.		[SW2] presentation/project/paper/report		
	[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 designs the logical structure of an enterprise's IT system using the ArchiMate language, implements architectural models consistent with business assumptions, and integrates modern ICT technologies to support organizational management and communication.		[SU2] presentation/project/paper/report [SU6] demonstration of practical skills		
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		
	Enterprise architecture in Archimate for a small enterprise		51.0%		100.0%		

Recommended reading	Basic literature	Fundamentals of Enterprise Architecture, by Tanu McCabe, OReilly, 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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