

Subject card

Subject name and code	Industry-specific IT, PG_00136737						
Field of study	Informatyka branżowa						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	Bachelor's 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		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		10.0		25.0	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_U02] The student is able to acquire basic information about economic processes and phenomena by direct observation, planned experiment or database queries, and collect and process it using modern information technology tools.	The student is able to represent economic processes and phenomena in the enterprise architecture	[SU2] prezentacja/projekt/referat/ raport [SU6] demonstracja umiejętności praktycznych
	[liEL3_W07] The student has advanced knowledge of ethical norms applicable to business, good practices for its conduct and legal regulations for the protection of intellectual property. Has knowledge of the risks and responsibilities associated with the informatization of business processes, knows the principles of netiquette.	Student is able to apply ACM code of conduct to the business case used in the course	[SW2] prezentacja/projekt/referat/ raport
	[liEL3_K01] The student understands the need to constantly supplement and deepen acquired knowledge; is open to new ideas and teaching methods.	The student is aware of the different layers of enterprise architecture and their relationships	[SK2] prezentacja/projekt/referat/ raport
	[liEL3_W03] The student has advanced knowledge of man as an entity that creates economic structures and institutions.	The student is able to represent stakeholders, value networks, and organizational units in an enterprise architecture	[SW2] prezentacja/projekt/referat/ raport
	[liEL3_U01] The student can comprehensibly, orally and in writing, present and justify advanced economic theories and apply them to explain the functioning of the national economy and its elements. Understands and can explain the content of communications of economic institutions, articles published in the economic press and scientific journals.	The student is able to create all layers of an enterprise architecture and explain how the changes in it can be managed	[SU2] prezentacja/projekt/referat/ raport [SU5] realizacja zadania problemowego
	[liEL3_K02] The student can communicate with the public on computer science and econometrics topics in and outside the workplace, communicate his knowledge and share his skills through various media.	The student is able to represent the enterprise architecture in a stakeholder-friendly manner	[SK2] prezentacja/projekt/referat/ raport [SK5] realizacja zadania problemowego
	[liEL3_K05] The student is aware of the need for ethical, sustainable and socially responsible behavior in professional and social life.	The student is able to create a work plan for introducing changes in the enterprise in an ethical, sustainable, and socially responsible manner	[SK5] realizacja zadania problemowego
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, 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	Supplementary https://www.archimatetool.com/ - ArchiMate® Specification	
Example issues/ example questions/ tasks being completed	Developing Application layer enterprise architecture for a company in Archimate		
Work placement	Not applicable		