

Subject card

Subject name and code	IT Enterprise Architecture, PG_0015666						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	Master'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	part-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish polish		
Semester of study	4		ECTS credits		3.0		
Learning profile	academic		Assessment form		exam		
Conducting unit	Department of Business Informatics -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Bartłomiej Gawin				
	Teachers		dr hab. inż. Bartłomiej Gawin				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	9.0	0.0	0.0	0.0	0.0	9
	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	9		15.0		55.0	79
Subject objectives	• Presentation of definitions and concepts related to enterprise architecture • Familiarization with principles and application areas of enterprise architecture • Presentation of the architectural framework of enterprise architecture • Familiarization with techniques and tools for designing enterprise architecture						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[liEMU2_W07] The student has an extended and established knowledge of ethical norms applicable to business, good practices for its conduct and legal regulations for the protection of intellectual property. The student has an extended knowledge of the risks and responsibilities associated with the computerization of business processes. The student knows the principles of netiquette.	Has extensive and well-established knowledge of ethical standards applicable in business, good practices in business management and its use in modeling IT Enterprise Architecture.	[SW4] test/exam - oral or written
	[liEMU2_U07] The student is able to build advanced formal models of complex economic phenomena and processes, estimate them, carry out their verification and apply them to modeling, forecasting and optimization of resources of economic institutions of varying degrees of complexity, their structure and the course of processes in them.	Is able to build advanced models of IT Enterprise Architecture regarding formal complex economic phenomena and processes, estimate them, verify them and use them for modeling, forecasting and resource optimization.	[SU4] test/exam - oral or written
	[liEMU2_U02] The student is able to proficiently acquire detailed information about economic processes and phenomena through direct observation, planned experimentation or database queries, as well as collect and process it using modern information technology tools.	Is able to efficiently obtain detailed information about economic processes and phenomena through direct observation, planned experiment or database queries to design IT Enterprise Architecture.	[SU4] test/exam - oral or written
	[liEMU2_K01] The student understands the need for continuous completion and deepening of acquired knowledge. The student inspires and organizes others' learning processes.	Understands the need to continually supplement and deepen the acquired knowledge of IT Enterprise Architecture.	[SK4] test/exam - oral or written
	[liEMU2_W05] The student has an in-depth knowledge of socio-economic data sources, their databases and how to create them.	Has in-depth knowledge of data sources for IT Enterprise Architecture models.	[SW4] test/exam - oral or written
	[liEMU2_K03] The student is able to communicate freely with the public inside and outside the workplace, transfer his knowledge and share his skills through various media.	Is able to communicate freely with the environment within and outside the architectural team's workplace.	[SK4] test/exam - oral or written
	[liEMU2_K02] The student can communicate freely with the public on specialised topics in the field of computer science and econometrics in and outside the workplace, communicate his knowledge and share his skills through various media. Culturally participates in discussions, is not afraid to ask questions and knows how to give constructive criticism.	Is able to communicate freely with others on specialist topics in the field of IT and IT Enterprise Architectur	[SK4] test/exam - oral or written
Subject contents	- Discussing the Basic Definitions, Principles, and Architectural Frameworks of Enterprise Architecture - A Practical Presentation of the ADOit Enterprise Architecture Management Tool		
Prerequisites and co-requisites	- Software engineering - Business process modeling - IT system design - Fundamentals of process organization management		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written exam	50.0%	100.0%
Recommended reading	Basic literature	- A.2. Gawin B., Systemy informatyczne w zarządzaniu procesami workflow, PWN 2015 - A.1. Sobczak A., Architektura korporacyjna. Aspekty teoretyczne i wybrane zastosowania praktyczne, Ośrodek studiów nad cyfrowym państwem 2013 - A.2. BOC: materiały elektroniczne o zarządzaniu architekturą IT w ADOit (dostarcza prowadzący)	

	Supplementary literature	B.1. Wijegunaratne I., Fernandez G., Evans-Greenwood P., Enterprise Architecture for Business Success, Bentham Science Publishers Ltd., 2014
	eResources addresses	
Example issues/ example questions/ tasks being completed	Design the IT Enterprise Architecture of the selected organization using the TOGAF model.	
Work placement	Not applicable	

Document generated electronically. Does not require a seal or signature.