University of Gdańsk

Subject card

Subject name and code	IT Project and Portfolio Management, PG_00178731						
Field of study	Informatics and Econometrics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2026/2027		
Education level	Master'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	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		7.0		
Learning profile	academic		Assessment form		exam		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Monika Woźniak				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	16.0	0.0	24.0	0.0	0.0	40
	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	40		2.0		133.0	175
Subject objectives	Familiarizing students with the areas, methods and tools of managing IT portfolios and projects						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[IiEMU2_U09] The student can independently plan and implement the process of learning and improving professional skills in econometrics, informatics or statistics throughout life and guide others in this regard.	As part of the implementation of IT projects, the student is able to independently identify the content necessary to master the skills of managing IT portfolios and projects, as well as plan and implement the learning process.	[SU2] presentation/project/paper/ report
[IiEMU2_W04] The student possesses a comprehensive understanding of the complex nature of human roles and behaviors in organizations or projects, both at the individual and group levels.	As part of the implementation of IT projects, the student has an in-depth knowledge and understanding of the complex nature of the role and behavior of humans in the organizational and project context.	[SW2] presentation/project/paper/ report
[IiEMU2_U11] The student can collaborate effectively in teams and assume leadership roles.	As part of the implementation of IT projects, the student is able to work in a project team, co-create it, effectively manage it and supervise its work.	[SU2] presentation/project/paper/ report
[IiEMU2_K03] The student is ready to think and act entrepreneurially and responsibly, initiate, coordinate, and participate in projects that benefit the social environment and the public interest, and inspire others to use econometrics, informatics, or statistics tools.	As part of the implementation of IT projects, the student is ready to think and act in an entrepreneurial and proactive manner, as well as to inspire others in the use of IT solutions.	[SK2] presentation/project/paper/ report
[IiEMU2_W09] The student possesses a comprehensive understanding of both traditional and modern entrepreneurship principles.	As part of the implementation of IT projects, the student has an in-depth knowledge and understanding of the principles of creating and developing project forms of entrepreneurship.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/ report
[IiEMU2_U12] The student can adapt, design, create, and operate IT systems that support business entities.	The student is able to implement projects of IT systems that support the functioning of economic entities.	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written

Subject contents

Lecture

- Managing IT portfolios, programs and projects
- Building and developing a project management office
- Portfolio management instruments
- Definition, role and characteristics of IT projects
- IT project management methodologies and standards
- Project maturity of an organization, IT-business alignment
- Areas and process groups in IT project management

Exercises

- Building the structure of an IT project portfolio
- Structure and place of the project management office in an organization (case study at the portfolio, program, project level)
- IT project life cycle
- Project and product management
- IT project management methodologies and standards
- Project team
- Areas and process groups in IT project management (case study)

Prerequisites and co-requisites

none

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
test	51.0%	35.0%
preparation and presentation of project issues	51.0%	30.0%
preparation and presentation of the project	51.0%	35.0%

Recommended reading	Basic literature	Głodziński E., Swacha J., Woźniak M., Zarządzanie projektami informatycznymi, PWE, Warszawa 2025 Flasiński M., Zarządzanie projektami informatycznymi, PWN, Warszawa 2022 Jałocha B., Zarządzanie portfelem projektów, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2014 Szyjewski Z., Metodyki zarządzania projektami informatycznymi, Placet 2014 Trocki M., Organizacja projektowa, Polskie Wydawnictwo Ekonomiczne, Warszawa 2014
	Supplementary literature	Martin R. C., Zwinne wytwarzanie oprogramowania. Najlepsze zasady, wzorce i praktyki, Helion, Gliwice 2015 Woźniak, M. Sustainable Approach in IT Project ManagementMethodology Choice vs. Client Satisfaction. Sustainability, 13(3):1466, 2021. https://doi.org/10.3390/su13031466 Woźniak Monika, Sliż Piotr, The impact of project excellence on the level of project maturity of an organization, Zeszyty Naukowe Politechniki Śląskiej. Organizacja i Zarządzanie, 2023, nr 169, s. 759-782. DOI:10.29119/1641-3466.2023.169.45
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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