

Subject card

Subject name and code	IT Project and Portfolio Management, PG_00156494						
Field of study	Information Science and Econometrics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2024/2025		
Education level	postgraduate 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	1		Language of instruction		Polish Polish		
Semester of study	2		ECTS credits		7.0		
Learning profile	academic		Assessment form				
Conducting unit	Katedra Informatyki Ekonomicznej -> Faculty of Management						
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	15.0	0.0	45.0	0.0	0.0	60
	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	60		30.0		85.0	175
Subject objectives	Learning practical aspects of IT project and portfolio management						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[liEMU2_W02] The student has an in-depth knowledge of economic structures and institutions, the processes taking place in them, the connections between them and their dynamics, and has an in-depth knowledge of the phenomena and processes taking place in their environment.	The student knows the economic structures and institutions, the processes taking place in them, the connections between them, their dynamics and the phenomena and processes taking place in their environment in the context of managing IT portfolios and projects.	[SW4] test/exam - oral or written [SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[liEMU2_U04] The student is able to plan, design, and program information systems at an advanced level, supporting the operation of business entities.	The student is able to plan, design and program at an advanced level IT systems that support the functioning of business entities as products of IT projects.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written
	[liEMU2_U03] The student is able to identify, to an in-depth degree, the institutional-legal and social constraints on the functioning of economic structures and institutions and reflect them in modeling, forecasting and optimization.	The student is able to identify institutional, legal and social constraints on the functioning of economic structures and institutions and reflect them in modeling, forecasting and optimization in the context of managing IT portfolios and projects.	[SU2] presentation/project/paper/report [SU4] test/exam - oral or written [SU5] implementation of a problem task
	[liEMU2_K04] The student can work in a team, co-create it, effectively manage and supervise it; efficiently adapts his behavior and conduct to his role in it; is ready to take responsibility for the team and bear the consequences; understands the necessity of systematicity and consistency in action; is open to other team members and critical of himself.	The student is able to work in a team, co-create it, effectively manage it and supervise it; efficiently adapts his/her behaviour and manner of conduct to the role played in it; is ready to take responsibility for the team and bear the consequences; understands the need for systematicity and consistency in action; is open to other team members and critical of himself/ herself while working on an IT project.	[SK6] demonstration of practical skills [SK8] observation of student's independent or team work
	[liEMU2_K05] The student can think and act in an entrepreneurial manner and flexibly adapt to changing environmental conditions. Thinks creatively and can go beyond the usual patterns.	The student is able to think and act in an entrepreneurial manner and flexibly adapt to changing environmental conditions in the context of managing IT projects. He thinks creatively and is able to go beyond the usual patterns.	[SK2] presentation/project/paper/report [SK5] implementation of a problem task
Subject contents	Lecture • Manage IT portfolios, programs and projects • Definition and characteristics of IT projects • Place of the IT project in the organization • Organization's project maturity • Areas and processes in IT project management Workshop • Building the structure of the IT project portfolio • IT project life cycle • Project and product management • Methodologies and standards of IT project management • Project team • Areas and groups of processes in IT project management - case study		
Prerequisites and co-requisites	not applicable		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	carrying out research	100.0%	20.0%
	test	51.0%	50.0%
	project preparation and presentation	51.0%	30.0%

Recommended reading	Basic literature	Jałocha B., Zarządzanie portfelem projektów, Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2014 Trocki M., Organizacja projektowa, Polskie Wydawnictwo Ekonomiczne, Warszawa 2014 Flasiński M., Zarządzanie projektami informatycznymi, PWN, Warszawa 2022 Wysocki, R.K, Effective Project Management Traditional, Agile, Extreme, Seventh edition, Indianapolis 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. Woźniak M., Differentiated project and technology maturity in an organization a case study, Scientific Papers of Silesian University of Technology. Organization and Management Series, 2024, no. 203, pp. 617-635
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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