GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Project management, PG_00053353					
Field of study	Biomedical Engineering, Biomedical Engineering, Biomedical Engineering					
Date of commencement of studies	February 2023		Academic year of realisation of subject		2022/2023	
Education level	second-cycle studies		Subject group		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	1		Language of instruction		Polish	
Semester of study	1		ECTS credits		2.0	
Learning profile	general academic profile		Assessment form		assessment	
Conducting unit	Department of Computer Architecture -> Faculty of Electronics, Telecommunications and Informatics					
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Jarosław Kuchta				
	Teachers	dr inż. Jarosław Kuchta				

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	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	5.0	30.0	50

Subject objectives	Understanding the basics of project management with particular emphasis on IT projects

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_K01] is ready to create and develop models of proper behaviour in the work and life environment; undertake initiatives; critically evaluate actions of their own, teams and organisations they are part of; lead a group and take responsibility for its actions; responsibly perform professional roles taking into account changing social needs, including:n - developing the achievements of the profession,n- observing and developing rules of professional ethics and acting to comply to these rulesn	The student is ready to take responsibility for the created project in the context of the organization.	[SK3] Assessment of ability to organize work [SK1] Assessment of group work skills
	[K7_W05] Knows and understands, to an increased extent, methods of process and function support, specific to the field of study.	Student zna i rozumie metodyki klasyczne i zwinne wytwarzania oprogramowania.	[SW1] Assessment of factual knowledge
	[K7_W06] Knows and understands, to an increased extent, the basic processes taking place in the life cycle of devices, facilities and technical systems.	The student knows and understands the life cycle of systems, especially IT systems.	[SW1] Assessment of factual knowledge
	[K7_U11] can manage team work	The student is able to collect project requirements, estimate costs, plan a schedule and analyze the risk.	[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools

Subject contents	1. Introduction to project management. Two approaches to management 2. Classic methodologies of IT project management: cascade, iteration-incremental, multiphase 3. Agile methodologies - problems and limitations 4. Requirements engineering - extracting requirements, requirements versus quality 5. Estimating labor needs, costs and time 6. Risk analysis		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Small teams exercises	50.0%	40.0%
	Test	50.0%	30.0%
	Frequency	50.0%	30.0%
Recommended reading	Basic literature	1. Gregory Horine: Project Management Absolute Beginners Guide, 2017 2. Harol Kerzner: Project Management: A Systems Approach to Planning, Scheduling, and Controlling, 2013	
	Supplementary literature	1. PRINCE2 - The Executive Guide to Directing Projects, 2009 2. A Guide to the Project Management Body of Knowledge: PMBOK® Guide (Sixth Edition)	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	1. Preparation of requirements specification 2. Estimation of labor intensity and costs 3. Development of the project schedule 4. Conducting a risk analysis		
Work placement	Not applicable		