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Subject card

Subject name and code	PROJECT MANAGEMENT, PG_00070675
Field of study	

Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
Education level	first-cycle 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	English
Semester of study	3	ECTS credits	5.0
Learning profile	general academic profile	Assessment form	assessment

Conducting unit	Department of Informatics In Management -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology

Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Krzysztof Redlarski
	Teachers	

Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	30.0	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	3.0	62.0	125

Subject objectives	Preparation of students for the design and execution of project management processes, grounded in knowledge of methods and techniques for planning, integration, and data analysis, and aimed at developing responsible decision-making in the pursuit of effective organizational goal achievement.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U03] collaborates with others in solving interdisciplinary problems.	is able to collaborate within a project team during planning and implementation, jointly analyze problems, and develop solutions.	[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject
	[K6_K01] is ready to fulfill professional roles responsibly, taking legal, ethical, and cultural aspects into account in decision-making processes.	is ready to make responsible project decisions, taking into account their organizational, legal, and ethical consequences.	[SK1] Assessment of group work skills
	[K6_W05] possesses advanced knowledge in integrating data from various sources and in the methods that enable a comprehensive analysis of contemporary management issues.	knows and understands methods of integrating data and information from multiple sources in the context of analyzing complex project management problems.	[SW3] Assessment of knowledge contained in written work and projects

Subject contents	Course content – lecture
	1. Basic issues related to project management
	2. Classic, agile and adaptive project management methodologies
	3. Project planning principles
	4. Areas and processes of project management
	5. Project integration management
	6. Project scope management
	7. Project resource management
	8. Time management in the project
	9. Project cost management
	10. Methods of cost and project duration analysis
	11. Quality management in the project
	12. Project communication management
	13. Project risk management
	14. Project order management. Project portfolio management

Course content – laboratory
1. Using the MS Project software to implement your own project
2. Designing a network of activities in the form of a network diagram
3. Designing a flowchart with a task list, parent and child tasks
4. Assignment of resources to tasks according to the method of constant work, constant time, constant number of resources
5. Resource balancing and elimination of overloads
6. Overtime as a rescue resource
7. Shared resource pool
8. Managing multiple projects
9. Project cost analysis
10. Risk analysis of meeting the project deadline
11. Reporting (printouts)

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Problem-based test	60.0%	40.0%
Presentation	60.0%	10.0%
Group project	60.0%	50.0%

Recommended reading

Basic literature
1. Project Management Institute, Inc.: A Guide to the Project Management Body of Knowledge, (PMBOK® Guide)
2. Redlarski, Krzysztof. Podstawy metodyki zarządzania projektami w ujęciu klasycznym. Wydawnictwo Politechniki Gdańskiej, 2016
3. Trocki M.: Zarządzanie projektami, PWN Warszawa 2003r
4. Wilczewski S.: MS Project 2010 i MS Project Server 2010. Helion 2011

Supplementary literature
1. Pritchard Carl L., Zarządzanie ryzykiem w projektach, WIG - PRESS Warszawa 2002
2. Kerzner H.: Project Management a Systems Approach, To Pleanning, Scheduling and Controlling
3. Chatfield C., Johnson T., MicrosoftOffice Project 2010 krok po kroku, RM Warszawa 2011

eResources addresses

Example issues/ example questions/ tasks being completed

Project management exercises

Practical activites within the subject

Not applicable