



## Subject card

Subject name and code	PROJECT MANAGEMENT, PG_00061447						
Field of study	Engineering Management						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2024/2025		
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	Part-time studies (on-line)	Mode of delivery			blended-learning		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			5.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Sławomir Ostrowski					
	Teachers	dr inż. Sławomir Ostrowski					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	16.0	0.0	16.0	0.0	0.0	32
	E-learning hours included: 24.0						
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	32		7.0		86.0	125
Subject objectives	Plans the design process, taking into account all factors affecting the achievement of planned goals in a timely and financially effective manner						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W05] integrates data from many sources to analyze complex problems of modern management	integrates data and information from many sources, selecting appropriate methods, obtaining the desired solution			[SW1] Assessment of factual knowledge		
	[K6_U05] designs innovative solutions for complex management processes, using appropriate methods and techniques	designs complex management processes, using management methods to select resources, meet deadlines, risk assessment and cost analysis, carrying out a critical assessment of each stage			[SU3] Assessment of ability to use knowledge gained from the subject		

Subject contents	<p>LECTURE:</p> <ul style="list-style-type: none"> <li>Basic issues related to project management</li> <li>Classic, agile and adaptive project management methodologies</li> <li>Project planning principles</li> <li>Areas and processes of project management</li> <li>Project integration management</li> <li>Project scope management</li> <li>Project resource management</li> <li>Time management in the project</li> <li>Project cost management</li> <li>Methods of cost and project duration analysis</li> <li>Quality management in the project</li> <li>Project communication management</li> <li>Project risk management</li> <li>Project order management. Project portfolio management</li> </ul> <p>LABORATORY</p> <ul style="list-style-type: none"> <li>Using the MS Project 2019 software to implement your own project</li> <li>Designing a network of activities in the form of a network diagram</li> <li>Designing a flowchart with a task list, parent and child tasks</li> <li>Assignment of resources to tasks according to the method of constant work, constant time, constant number of resources</li> <li>Resource balancing and elimination of overloads</li> <li>Overtime as a rescue resource</li> <li>Shared resource pool</li> <li>Managing multiple projects</li> <li>Project cost analysis</li> <li>Risk analysis of meeting the project deadline</li> <li>Reporting (printouts)</li> </ul>											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Subject passing criteria</th> <th style="width: 33%;">Passing threshold</th> <th style="width: 33%;">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>Written exam</td> <td>60.0%</td> <td>40.0%</td> </tr> <tr> <td>Project</td> <td>100.0%</td> <td>60.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Written exam	60.0%	40.0%	Project	100.0%	60.0%
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Example issues/ example questions/ tasks being completed	Project management exercises											
Work placement	Not applicable											

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