



Subject card

Subject name and code	PROJECT COSTING AND BUDGETING, PG_00071733						
Field of study	Management						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2028/2029		
Education level	first-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	3	Language of instruction			English		
Semester of study	5	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Ewa Mazurek-Krasodomska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	30.0	0.0	0.0	45
	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	45		3.0		52.0	100
Subject objectives	The aim of the course is to prepare students to plan and control project costs and to make financial decisions based on knowledge of cost analysis and budgeting methods, as well as to develop attitudes of responsibility and ethical decision-making in the context of project management.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U02] communicates effectively with others by preparing presentations that use terminology specific to the field of management, and by evaluating diverse opinions during discussions and debates.		is able to communicate the results of project cost analysis and prepare a presentation of the budget and decision-making recommendations, using appropriate methods of data analysis and visualisation.		[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task		
	[K6_K02] is prepared to make competent and ethical decisions to create and maintain economic, social, and environmental values, demonstrating entrepreneurial actions.		is prepared to make responsible and ethical financial decisions in project management, in particular through teamwork on a budgeting project and analysis of the consequences of cost-related decisions.		[SK1] Assessment of group work skills		
	[K6_W06] understands and applies methods for classifying and evaluating acquired information based on advanced general and specialized knowledge, with consideration of their application in various types of professional activities.		knows and understands the methods of classification and evaluation of financial and cost information in the context of project cost analysis, budgeting, and investment efficiency assessment.		[SW1] Assessment of factual knowledge		

Subject contents	Course content – lecture Introduction to Project Cost Management Management Accounting and Project Controlling Cost Estimation in Projects Project Budgeting Capital Budgeting and Investment Appraisal Cost Analysis and Decision-Making Advanced Costing Methods Cost Optimization Strategies Financial Risk in Projects Cost Control & Earned Value Management		
	Course content – laboratory Course introduction & project selection Project Charter Resource Planning WBS Development Cost Estimation Budget Development Cost Visualization Cost Risk Analysis EVM Simulation Final Presentation		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Team project	60.0%	50.0%
	Project budget presentation	60.0%	30.0%
	Theoretical test	60.0%	20.0%
Recommended reading	Basic literature	<i>Venkataraman R. R., Pinto J. K. (2023), Cost and Value Management in Projects, Wiley</i> <i>Goel S. (2015), Capital budgeting, Business Expert Press New York.</i> PMI (2026), A Guide to the Project Management Body of Knowledge, Chicago	
	Supplementary literature	<i>Management, Association for Project (2025), Project Risk Analysis and Management Guide, Princes Risborough : Association for Project Management</i> <i>APM (2016), Planning, Scheduling, Monitoring and Control: The Practical Project Management of Time, Cost and Risk, Princes Risborough: Association for Project Management</i>	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Implementation of a team project involving the development of a complete project cost model (WBS, estimation, budgeting, risk analysis, EVM, final report).		
Practical activities within the subject	Not applicable		

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