

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Feasibility Study, PG_00067392								
Field of study	Engineering Management								
Date of commencement of studies	October 2025		Academic year of realisation of subject			2027/2028			
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			Polish			
Semester of study	5		ECTS credits			5.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department Of Management Engineering And Quality -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej								
Name and surname	Subject supervisor								
of lecturer (lecturers)	Teachers								
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	Number of study hours	30.0	0.0	0.0	30.0		0.0	60	
	E-learning hours included: 0.0								
	Address on the e-learning platform: https://enauczanie.pg.edu.pl								
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		5.0		60.0		125	
	b) presenting selected issues and trends in the realization and use of the feasibility study,c) acquiring some practical skills in the preparation and application of a feasibility study,								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K6_K02] is prepared to make competent and ethical decisions to create and maintain economic, social, and environmental values, demonstrating entrepreneurial actions.		is able to evaluate the feasibility and implications of planned ventures, making informed project decisions that consider their economic, social, and environmental impact.			[SK5] Assessment of ability to solve problems that arise in practice			
	[K6_W01] understands and comprehends the conditions of processes occurring in the analyzed systems at an advanced level and selects appropriate methods for their solution, taking into account the complex relationships between the analyzed phenomena.		has knowledge that enables understanding of interdependencies among key factors affecting project success and is familiar with analytical approaches used to assess feasibility in diverse contexts			[SW3] Assessment of knowledge contained in written work and projects			
	[K6_U06] acquires specialized knowledge in the field of engineering management, demonstrating the ability to effectively plan individual work and pursue lifelong learning.		is able to independently search for and apply specialized information needed to develop a feasibility study, while effectively planning their work and ongoing development in project management.			[SU5] Assessment of ability to present the results of task			

Subject contents	Lecture						
	Introduction to Feasibility Study; Needs Analysis Requirement Gathering; Technical and Technological Analysis; Financial and Economic Analysis; Risk Analysis and Risk Management						
	Organizational and Human Resources Analysis; Internal and External Environment Analysis						
	Project Feasibility Evaluation Criteria;						
	Laboratory						
	Introduction; Creative Techniques for Case Study Development; Needs Analysis Requirement Gather Technical and Technological Analysis; Financial and Economic Analysis; Risk Analysis and Risk Management; Organizational and Human Resources Analysis; Internal and External Environment An Feasibility Study Presentation						
Prerequisites and co-requisites							
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade				
and criteria	reports	60.0%	60.0%				
	exam	60.0%	40.0%				
Recommended reading	Basic literature	 Durlik I.: Inżynieria zarządzania. Cz. I oraz cz. II. Wyd. 7; PLACET, 2019 Inżynieria produkcji. Kompendium wiedzy. Red. R. Knosala. Wyd. PWE 2017 Łada Monika; Kozarkiewicz Alina .: Zarządzanie wartością projektów . Wyd. C.H. Beck 2010, Skrzypek J.: Biznesplan w 10 krokach, Wydawnictwo Poltext, Warszawa 2014 					
	Supplementary literature	Behrens W., Hawranek P. M.: Poradnik przygotowania przemysłow studiów feasibility, (tłum. z ang.). Wyd. UNIDO, Warszawa 199					
	eResources addresses	Adresy na platformie eNauczanie:					
Example issues/ example questions/ tasks being completed	 E. FINANCIAL ASSESSMENT OF THE DEVELOPED DESIGN SOLUTION Note: The necessary data for calculations should be compiled in specially prepared tables 18. Specify the necessary investment expenditure, taking into account: outlays on fixed assets, pre-production capital expenditure, net working capital. 19. Estimate production costs. 						
Work placement	Not applicable						

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