



Subject card

Subject name and code	Feasibility Study, PG_00068077						
Field of study							
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 of lecturer (lecturers)	Subject supervisor						
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	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
Subject objectives	a) presenting a conceptual base for the realization and use of the feasibility study, 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_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		
	[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		

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 Gathering; Technical and Technological Analysis; Financial and Economic Analysis; Risk Analysis and Risk Management; Organizational and Human Resources Analysis; Internal and External Environment Analysis; Feasibility Study Presentation		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exam	60.0%	40.0%
	reports	60.0%	60.0%
Recommended reading	Basic literature	1. Durlik I.: Inżynieria zarządzania. Cz. I oraz cz. II. Wyd. 7; PLACET, 2019 2. Inżynieria produkcji. Kompendium wiedzy. Red. R. Knosala. Wyd. PWE 2017 3. Łada Monika; Kozarkiewicz Alina .: Zarządzanie wartością projektów . Wyd. C.H. Beck 2010, 4. Skrzypek J.: Biznesplan w 10 krokach, Wydawnictwo Poltext, Warszawa 2014	
	Supplementary literature	Behrens W., Hawranek P. M.: Poradnik przygotowania przemysłowych 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: <ul style="list-style-type: none">• outlays on fixed assets,• pre-production capital expenditure,• net working capital. 19. Estimate production costs.		
Work placement	Not applicable		

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