GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Feasibility Study, PG_00068512		
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	Part-time studies (on-line)	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	16.0	0.0	0.0	16.0	0.0	32

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	32	5.0	88.0	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_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_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_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

<table>
<tr><td>Subject contents</td><td>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</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>exam</td><td>60.0%</td><td>40.0%</td></tr><tr><td>reports</td><td>60.0%</td><td>60.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>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</td></tr><tr><td>Supplementary literature</td><td>Behrens W., Hawranek P. M.: Poradnik przygotowania przemysłowych studiów feasibility, (tłum. z ang.). Wyd. UNIDO, Warszawa 199</td></tr><tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>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.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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