GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00064557		
Field of study	Mechatronics		
Date of commencement of studies	October 2021	Academic year of realisation of subject	2024/2025
Education level	first-cycle studies	Subject group	
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	4	Language of instruction	Polish
Semester of study	7	ECTS credits	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Zakład Technologii Biomateriałów -> Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Michał Bartmański	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0	0.0	15

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	15	0.0	0.0	15

Subject objectives

The purpose of the course is to familiarize students with the preparation of project proposals, including but not limited to: determining the purpose, scope, cost and schedule of the project using techniques such as Gantt chart, critical path determination. Students will be introduced to the possibilities of obtaining funds for ongoing research work, including in cooperation with an industrial partner, in Poland and abroad.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_K01] is aware of non-technical aspects, individual and colaborative work responsibilty and is capable to comply to rules of team cooperation and to take resposnisility for collectively performed tasks	The student is able to work in a team, including in the preparation of project proposals	[SK2] Assessment of progress of work [SK1] Assessment of group work skills
[K6_K02] is aware of social role of the technical university alumni, the importance of professional attitudes, obeying ethic rules with respect to diverse point of views and cultures, understands the need for permanent self-learning	The student is familiar with the issues related to professional secrecy in the preparation of project proposals	[SK2] Assessment of progress of work
[K6_W13] knows general rules of establishing and development of a private, small business that applies knowledge form engineering and technical sciences and scientifical disciplines, adequate for mechatronics	The student is able to find sources of funding for projects, including for a single-person business	[SW3] Assessment of knowledge contained in written work and projects

<table>
<tr><td>Subject contents</td><td>1. Project definition, project portfolio

2. Development of project objective and cost estimate

3. Gantt chart

4. Critical path of the project

5. Raising funds for proejcts</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>colloquium</td><td>56.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>M. Wirkus, H. Roszkowski, E. Dostatni, W. Gierulski, Zarządzanie projektem, Polskie Wydawnictwo Ekonomiczne, Warszawa, 2014

A. Gryzik, A. Knapińska, Zarządzanie projektami badawczo-rozwojowymi w sektorze nauki, Ośrodek Przetwarzania Informacji Instytut Badawcz, Warszawa, 2012

M. Wirkus, A. Lis, Zarządzanie projektami badawczo-rozwojowymi, I, Wydawnictwo Difin SA, Warszawa, 2012</td></tr><tr><td>Supplementary literature</td><td>-</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>Gantt chart

Determining the Critical Path

Project definition</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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