



Subject card

Subject name and code	, PG_00064557						
Field of study	Mechatronics						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2025/2026		
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	Division Of Biomaterials Technology -> Institute Of Manufacturing And Materials Technology -> Faculty Of Mechanical Engineering And Ship Technology -> Wydział Politechniki Gdańskiej						
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_W13] knows general rules of establishing and development of a private, small business that applies knowledge from engineering and technical sciences and scientific 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		
	[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_K01] is aware of non-technical aspects, individual and collaborative work responsibility and is capable to comply to rules of team cooperation and to take responsibility for collectively performed tasks		The student is able to work in a team, including in the preparation of project proposals		[SK1] Assessment of group work skills [SK2] Assessment of progress of work		

Subject contents	<p>1. Project definition, project portfolio</p> <p>2. Development of project objective and cost estimate</p> <p>3. Gantt chart</p> <p>4. Critical path of the project</p> <p>5. Raising funds for projects</p>											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 622 794 651">Subject passing criteria</th> <th data-bbox="799 622 1137 651">Passing threshold</th> <th data-bbox="1142 622 1469 651">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 658 794 687">colloquium</td> <td data-bbox="799 658 1137 687">56.0%</td> <td data-bbox="1142 658 1469 687">100.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	colloquium	56.0%	100.0%			
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Example issues/ example questions/ tasks being completed	<p>Gantt chart</p> <p>Determining the Critical Path</p> <p>Project definition</p>											
Work placement	Not applicable											

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