



Subject card

Subject name and code	Team Project, PG_00057295						
Field of study	Mechanical and Naval Engineering						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2026/2027		
Education level	first-cycle studies	Subject group					
Mode of study	Part-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	6	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Division of Machine Design and Medical Engineering -> Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Rafał Gawarkiewicz					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	18.0	0.0	18
	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	18		10.0		72.0	100
Subject objectives	Team work on a preliminary design - culminating in a report - of a simple mechanical device.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_K01] is aware of the need for complementing the knowledge throughout the whole life, is able to select proper methods of teaching and learning, critically assesses the possessed knowledge; is aware of the importance of professional conduct and following the rules of professional ethics; is able to show resourcefulness and innovation in the realisation of professional projects	Completes a simple construction project as a team, in accordance with a jointly (team) developed implementation plan.	[SK1] Assessment of group work skills [SK2] Assessment of progress of work
	[K6_U07] is able to design a typical construction of a mechanical device, component or a testing station using appropriate methods and tools, adhering to the set usage criteria	Obtains necessary information from professional literature, databases, and other resources. Interprets and applies it to solve engineering problems encountered. Draws own conclusions.	[SU2] Assessment of ability to analyse information
	[K6_U03] is able to identify, formulate and develop the documentation of a simple design or technological task, including the description of the results of this task in Polish or in a foreign language and to present the results using computer software or other aiding tools	Identifies engineering issues related to a simple design task, which is analyzed and solved primarily using computer programs. Also uses computer software to prepare a report in Polish.	[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
	[K6_U01] is able to acquire information from specialized literary sources, databases and other resources, essential for solving engineering tasks; is able to compile the obtained information pieces and to interpret them, additionally is able to form conclusions and present justified opinion	Is able to design a simple mechanical device using appropriate methods and tools, taking into account established criteria.	[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools
[K6_U02] is able to work in a team and individually, also in multi-disciplinary teams, is able to draw a plan of completing a construction or technological design, shows self-learning abilities	Develops a need to expand knowledge and learns appropriate methods for analyzing and solving encountered engineering problems. Understands the need to critically evaluate knowledge and opinions: their own and those of others, particularly regarding (self-)education methodology. Recognizes and realizes how many aspects of work depend on the chosen method of information transfer and how the usefulness of these methods depends on the specific human senses used. Understands the importance of professional conduct and adherence to ethical principles.	[SU2] Assessment of ability to analyse information	
Subject contents	Course content – project Treści przedmiotu - projekt (ang.): Design assumptions, ideas and solution concepts for the designed device, criteria analysis, computer calculations and simulations, (preliminary) technical documentation. Creation of a design study (taking into account the guidelines for thesis).		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Evaluation of the project work culminating in a printed report.	50.0%	100.0%
Recommended reading	Basic literature	A literature search regarding a specific task is part of the scope of the project study.	
	Supplementary literature	The search for additional literature - if needed at all - is part of the scope of the project study.	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Practical activities within the subject	Not applicable		

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