GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Engineering Diploma Project, PG_00055523		
Field of study	Mechanical Engineering		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	Subject group	Optional subject group
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	4	Language of instruction	Polish Polish
Semester of study	7	ECTS credits	16.0
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 -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Beata Majkowska-Marzec	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	0.0	0.0	0

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	0	25.0	375.0	400

Subject objectives

Preparation of an engineering diploma project on a topic and within a scope defined by the supervisor.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U09] is able to plan the manufacturing, assembly and quality control processes of typical constructions and mechanical devices, estimating their costs	The student is able to plan the manufacturing process of the developed solution and define basic requirements for its quality control and implementation costs.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools
[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	The student is able to develop and document a solution to a simple design or technological problem in the field of mechanical engineering and present the results using appropriate computer-based tools.	[SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
[K6_U08] is able to design a technological manufacturing process for typical elements of machines or devices, using analytical and numerical calculating tools	The student is preparing a diploma project. They carry out design work related to the technological process, using the available literature and tools.	[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools
[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	The student performs the necessary calculations, research, analyses, and comparisons using appropriate methods and tools to solve a practical engineering problem.	[SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment

Subject contents

Prerequisites and co-requisites

Registration for the diploma semester.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Assessment of the Engineering Diploma Project	56.0%	100.0%

Recommended reading

Basic literature	Literature relevant to the topic of the thesis.

	Supplementary literature	Literature relevant to the topic of the thesis.
	eResources addresses	
Example issues/ example questions/ tasks being completed	The current lists of questions for the diploma examination, specific to the given specialization, are available on the Faculty's website.	
Practical activites within the subject	Not applicable	

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