GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	First Degree Final Project, PG_00042081		
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	
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	18.0
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	10.0	240.0	250

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_U01	The student is able to search literature databases to acquire the knowledge necessary for describing, analyzing, and interpreting engineering problems in the field of mechanical engineering and machine design.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools
K6_U09	The student is able to plan the manufacturing process for the developed solution and define the 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_U08	The student prepares a diploma project and carries out design work related to the technological process using available literature and tools.	[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools
K6_U07	The student performs the necessary calculations, tests, 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
[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 machine design, and present the results using appropriate computer tools.	[SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task

Subject contents

Prerequisites and co-requisites

Registration for the diploma semester.

<table>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>Assessment of the Engineering Diploma Project</td><td>56.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">Literature relevant to the topic of the thesis.</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Literature relevant to the topic of the thesis.</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">The current lists of questions for the diploma examination, specific to the given specialization, are available on the Faculty’s website.</td></tr>
<tr><td>Practical activites within the subject</td><td colspan="3">Not applicable</td></tr>
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