GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	BSc Diploma Project, PG_00055519		
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	Optional subject group Subject group related to scientific research in the field of study
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	16.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Ryszard Jasiński	
	Teachers		

Lesson types and methods of instruction

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 by the student of an engineering diploma project with a topic and scope defined by the thesis supervisor

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U11] is able to evaluate usefulness of methods and tools to solve simple, practical engineering task, distinctive for mechatronics and is able to choose the proper method and tools	Student performs, using appropriate methods and tools necessary calculations, research, analysis and comparison in order to solve a practical engineering task.	[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment
[K6_U08] is able - according to a given specification - design, calculate costs and develop a simple device, object, system or process typical for mechatronics, using approproate methods, techniques and tools	Student prepares a diploma project. Organizes the design work of a device, object, system or process typical of mechatronics.	[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment
[K6_U01] is able to acquire infromation form literature, databases and other, properly choosen sources, integrate these infomration, interpret them, draw conclusions and formulate opinions	Student prepares a critical review of literature and solutions related to the topic of the work using publications in Polish or a foreign language.	[SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task
[K6_U03] has self-learning skills	The student independently prepares an engineering diploma project using various sources, e.g. obtaining the necessary information from the literature.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools
[K6_U06] is able to identify and formulate specification of simple, practical engineering tasks, distinctive for mechatronics	Student prepares an engineering diploma project. He is able to identify and formulate a specification of simple engineering tasks of a practical nature.	[SU1] Assessment of task fulfilment

Subject contents

Realization of the work under the supervision of a supervisor in accordance with the defined scope and topic. Editorial preparation of the content of the work for its publication. Consultation of the project with the supervisor and, if necessary, other experts. Preparation of a multimedia presentation.

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">Registration for the diploma semester.</td></tr>
<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>Evaluation 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 consistent with the topic of the work.</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Literature consistent with the topic of the work.</td></tr>
<tr><td>eResources addresses</td><td colspan="2">Adresy na platformie eNauczanie:</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">Current lists of questions for the diploma examination, appropriate for a given specialization, are available on the Faculty's website.</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
</table>

Document generated electronically. Does not require a seal or signature.