GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Engineering diploma project, PG_00055264						
Field of study	Management and Production 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			
Semester of study	7		ECTS credits	16.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Stefan Dzionk				
	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 a project by the student, with the topic and scope defined by the Thesis Supervisor.						

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<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[K6_U09] can use analytical techniques as well as computer simulation and numerical analysis methods in solving specific problems in the field of production engineering, is able to carry out simple engineering tasks related to the production of typical machine parts using widely understood techniques and computer tools, is able to select and apply appropriate methods of project planning and control courses with the use of computer aided means</td><td>The student is preparing their graduation project, which involves designing a device, a facility, a system, or a process.</td><td>[SU4] Assessment of ability to use methods and tools
[SU1] Assessment of task fulfilment</td></tr>
<tr><td>[K6_U03] is able to communicate using various techniques in the professional environment and other environments, has language skills enabling free communication in the field of technical sciences related thematically to management and production engineering</td><td>The student prepares an engineering diploma project. They are able to identify and formulate specifications for simple engineering tasks of a design nature, utilizing available tools.</td><td>[SU1] Assessment of task fulfilment</td></tr>
<tr><td>[K6_W11] knows and understands the basic concepts and principles of the protection of industrial property and copyright law, can use the resources of patent information</td><td>The student knows the basic principles of industrial property protection and copyright law, and complies with them when executing an engineering design task.</td><td>[SW3] Assessment of knowledge contained in written work and projects</td></tr>
<tr><td>[K6_U08] can assess the usefulness of routine methods and tools for solving practical production tasks in measuring in order to supervise processes and analyze the functioning of production systems</td><td>The student prepares a diploma project, performing design work on a technological process using available literature and tools.</td><td>[SU1] Assessment of task fulfilment
[SU4] Assessment of ability to use methods and tools</td></tr>
<tr><td>[K6_U07] is able to conduct a preliminary economical analysis of undertaken engineering activities, is able to can conduct a critical analysis and evaluation of existing production processes and courses of selected sections of manufacturing systems, is able to identify the needs of the application of technical solutions for automation and / or robotization production stations and formulate the specifications of the resulting benefits and limitations</td><td>The student performs, using appropriate methods and tools, the necessary calculations, tests, analyses, and comparisons to solve a practical engineering task</td><td>[SU3] Assessment of ability to use knowledge gained from the subject
[SU1] Assessment of task fulfilment</td></tr>
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<tr><td>Subject contents</td><td></td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Registration for the diploma semester.</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Engineering project grade</td><td>56.0%</td><td>100.0%</td></tr>
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<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Literature selected in accordance with the topic of the thesis.</td></tr>
<tr><td>Supplementary literature</td><td>Literature selected in accordance with the topic of the thesis.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>Current lists of diploma exam questions, relevant to each specialization, are available on the Faculty's website.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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