GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team Project, PG_00029983						
Field of study	Mechanical Engineering, Mechanical Engineering						
Date of commencement of studies	October 2020		Academic year of realisation of subject	2022/2023			
Education level	first-cycle studies		Subject group				
Mode of study	Full-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	Department of Machine Design and Vehicles -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Grzegorz Ronowski					
	Teachers	dr inż. Wojciech Owczarzak dr hab. inż. Grzegorz Ronowski					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	0.0	30
	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	30		10.0	60.0		100
Subject objectives	The aim of the course is to prepare the student for team solving of engineering problems.						

<table>
<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_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</td><td>The student is able to design the device.</td><td>[SU1] Assessment of task fulfilment</td></tr>
<tr><td>[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</td><td>The student performs economic analyzes.</td><td>[SK5] Assessment of ability to solve problems that arise in practice</td></tr>
<tr><td>[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</td><td>Student is able to prepare construction and technological documentation</td><td>[SU1] Assessment of task fulfilment</td></tr>
<tr><td>[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</td><td>The student establishes professional contacts.</td><td>[SU5] Assessment of ability to present the results of task</td></tr>
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<tr><td>Subject contents</td><td>The content of the course is developing a project or an engineering task.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></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>Project.</td><td>56.0%</td><td>100.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>1. Automotive. Brakes and Power Transmission systems. Irving Frazee,Earl L. Bedell</td></tr>
<tr><td>Supplementary literature</td><td>1. Design Practices. Passenger Car Automatic Transmissions.Pergamon Press, Ltd., Headington Hill Hall, Oxford, England</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>1. Project of the drive system for a off-road car.2. Modernization of a selected car for sports requirements.</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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