GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team project, PG_00055261		
Field of study	Management and Production Engineering		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
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	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 Manufacturing and Production Engineering -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Norbert Piotrowski	
	Teachers		

Lesson types

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	25.0	45.0	100

Subject objectives

The use of previously acquired knowledge to perform a structural or technological task. The task should be performed in the team, planning work on various aspects and tasks along with the skills of mutual task and information transfer between team members.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U01] can find the necessary information in professional literature, databases and other sources, knows basic scientific and technical journals in the field of production management, quality and operation management, can integrate the obtained information, formulate conclusions and justify opinions	The student is able to choose the appropriate techniques and means of solving the problem on the basis of professional literature.	[SU4] Assessment of ability to use methods and tools
[K6_K01] feels the need for self-realization by learning throughout life, is looking for modern and innovative solutions in their actions, is able to think creatively and act in an entrepreneurial way	Ability to work independently.	[SK2] Assessment of progress of work
[K6_U02] has the ability of self-learning and expanding knowledge in a specialized field of engineering production	Student understands the challenges related to the development of modern techniques used in production engineering and is able to independently search for solutions to technological problems	[SU3] Assessment of ability to use knowledge gained from the subject
[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	The student is able to develop the technological process ot typical mechanical parts.	[SU1] Assessment of task fulfilment

<table>
<tr><td>Subject contents</td><td>Course content – project

Performing in the team the task accepted by the teacher. Materials analysis, concepts of implementation, proposals for changes based on a review of available literature. Selection of operating parameters for accepted solutions. Analysis of the cost of the item. Simulation of the device operation (part manufacturing process). Conclusion for further work of the project.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Completed first level engineering course, mastering CAE, CAD/CAM techniques.</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>Team project</td><td>60.0%</td><td>100.0%</td></tr>
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<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>References will be presented by subject leader</td></tr>
<tr><td>Supplementary literature</td><td>1. Meyer Kutz: Mechanical Engineers' handbook, Manufacturing and Management, John Willey and Sons, 2006.

2. Journal literature available at PG library.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>Design of device structure or technological equipment.

The project of manufacturing process.

Analysis of the project cost.Simulation with the use of CAE, CAD / CAM tools.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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