



Subject card

Subject name and code	Team project, PG_00055261						
Field of study	Management and Production Engineering						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2023/2024		
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						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Norbert Piotrowski				
	Teachers		dr inż. Norbert Piotrowski				
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		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_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 of typical mechanical parts.		[SU1] Assessment of task fulfilment		
	[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_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		

Subject contents	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.														
Prerequisites and co-requisites	Completed first level engineering course, mastering CAE, CAD/CAM techniques.														
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="453 459 790 488">Subject passing criteria</th> <th data-bbox="793 459 1139 488">Passing threshold</th> <th data-bbox="1142 459 1492 488">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="453 492 790 521"></td> <td data-bbox="793 492 1139 521">0.0%</td> <td data-bbox="1142 492 1492 521">0.0%</td> </tr> <tr> <td data-bbox="453 526 790 555"></td> <td data-bbox="793 526 1139 555">0.0%</td> <td data-bbox="1142 526 1492 555">0.0%</td> </tr> <tr> <td data-bbox="453 560 790 589">Team project</td> <td data-bbox="793 560 1139 589">60.0%</td> <td data-bbox="1142 560 1492 589">100.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade		0.0%	0.0%		0.0%	0.0%	Team project	60.0%	100.0%		
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	0.0%	0.0%													
Team project	60.0%	100.0%													
Recommended reading	Basic literature	References will be presented by subject leader													
	Supplementary literature	1. Meyer Kutz: <i>Mechanical Engineers' handbook, Manufacturing and Management</i> , John Willey and Sons, 2006. 2. Journal literature available at PG library.													
	eResources addresses	Adresy na platformie eNauczanie: Projekt zespołowy, P, ZiIP sem.6, letni, 2023/2024 (PG_00055261) - Moodle ID: 38490 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=38490													
Example issues/ example questions/ tasks being completed	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.														
Work placement	Not applicable														