



## Subject card

Subject name and code	Team Project, PG_00029983						
Field of study	Mechanical Engineering						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2023/2024		
Education level	first-cycle studies		Subject group				
Mode of study	Part-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	Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Jacek Haras				
	Teachers		dr inż. Jacek Haras				
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	Team work in the implementation of a comprehensive technological design.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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		
	[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		
	[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		
	[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		
Subject contents	1. Presentation of the designing specifics in a team.  2. Analysis of an exemplary design issue.  3. Students receive a list of 6 design topics (to choose from). The implementation of your own project (proposed by Students) is also planned.  4. Selection of teams and internal determination of teamwork rules in teams.  5. Choosing a team leader and tasks for: the constructor, technologist and control specialist.  6. Preparation of the concept, selection of the optimized concept.  7. Division of tasks, partial analysis of solutions in the project, project implementation schedule, division of individual tasks.  8. Integrated linking of elements of individual activities.  9. Development of the project.  10. Conference presentation of the project (eg. for a webinar).		
Prerequisites and co-requisites	Basic skills in the field of: engineering graphics, material science, basics of technology: cutting and chipless (foundry and plastic processing), basics of welding/ bonding technologies and metrology.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Teamwork assessment	50.0%	30.0%
	Project evaluation	50.0%	70.0%

Recommended reading	Basic literature	<p>1. Handbook: by R. HALMSHAW: Introduction to the Non-Destructive Testing of Welded Joints</p> <p>2. Guidebooks (e.g. "Biuro Gamma" in the field of NDT);</p> <p>3. PN-EN ISO standards &amp; regulation rules - depending on the content of the project.</p>
	Supplementary literature	ASTM standards, regulations rules of UDT and Classification Societies.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	NOT APPLICABLE: in case of doubts of the Students: "Task-Performers": e-mail correspondence with the project leader.	
Work placement	Not applicable	