



## Subject card

Subject name and code	Group project, PG_00059501						
Field of study	Management and Production Engineering						
Date of commencement of studies	February 2024	Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies	Subject group			Optional subject group		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Zakład Technologii Materiałów Konstrukcyjnych i Spajania -> Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Jacek Tomków				
	Teachers						
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		21.0		49.0	100
Subject objectives	Students solve a basic engineering problem under supervision of a lecturer utilizing contemporary the knowledge gained during the course of study. Students complete the technical report.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_W02] has extended knowledge covering key issues characterizing production processes	Students design simple constructions or technological process segments.			[SW3] Assessment of knowledge contained in written work and projects		
	[K7_K01] is aware of the need to expand knowledge and verify the methods of solving problems by consulting experts	Students acquire the knowledge needed to solve a technical problem.			[SK5] Assessment of ability to solve problems that arise in practice		
	[K7_U08] is able to work in a group, assuming various roles in it, including managing a small team, assuming responsibility for the results his work	Students solve a technical problem with tasks.			[SU1] Assessment of task fulfilment		
	[K7_U03] can use information and communication techniques appropriate for acquiring and processing information and performing tasks typical for engineering activities	Students use the available techniques and sources needed to solve a technical problem.			[SU3] Assessment of ability to use knowledge gained from the subject		
[K7_K03] can think and act in a creative and entrepreneurial manner	Students develop a plan of work needed to solve an engineering problem.			[SK2] Assessment of progress of work			
Subject contents	Solving in groups an analytical or construction task within the scope set by the tutor						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Project		51.0%		100.0%		

Recommended reading	Basic literature	Literature selected individually by the teacher based on the subject and scope of the project.
	Supplementary literature	Literature selected individually by the teacher based on the subject and scope of the project.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	<p>Welding technology project.</p> <p>Welded structure design.</p> <p>Regeneration technology project.</p> <p>Analytical methods of assessing the weldability of metals.</p>	
Work placement	Not applicable	