



## Subject card

Subject name and code	Term project, PG_00048737						
Field of study	Materials Engineering, Materials Engineering, Materials Engineering						
Date of commencement of studies	February 2022	Academic year of realisation of subject			2021/2022		
Education level	second-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	1	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Materials Engineering and Bonding -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Jerzy Łabanowski				
	Teachers		prof. dr hab. inż. Maria Gazda prof. dr hab. inż. Jerzy Łabanowski dr inż. Krzysztof Formela				
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	Teamwork in the implementation of a comprehensive project						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	K7_W05	The ability to use the previously acquired knowledge in the field of heat treatment of metals to perform a complex technological project			[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation		
	K7_U07	Ability to work effectively in a team			[SU1] Assessment of task fulfilment		
	K7_W07	The ability to use modern tools supporting the work of CAD_CAM engineer			[SW2] Assessment of knowledge contained in presentation		
	K7_U01	Ability to synthetically develop multithreaded studies and analyzes			[SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment		
	[K7_K81] is able to cooperate in international team at her/his own university, during work placement and during study abroad	Ability to work in an international team			[SK1] Assessment of group work skills		
Subject contents	<p>The specifics of the design that precedes the detailed design.</p> <p>Analysis of the design issue. Students receive a list of 8-10 design topics (to choose from).</p> <p>Selection of teams. Principles of teamwork - selection of a team leader.</p> <p>Selection and presentation of the design concept.</p> <p>Task division, partial analysis of project solutions, project implementation schedule, division of individual tasks, integrated combining elements of individual activities.</p> <p>Project development.</p> <p>Conference presentation of the project</p>						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Evaluation of teamwork	50.0%			30.0%		
	Project evaluation	50.0%			70.0%		

Recommended reading	Basic literature	Depending on the topic of the project guides, standards
	Supplementary literature	Depending on the topic of the project guides, standards
	eResources addresses	
Example issues/ example questions/ tasks being completed	Design of thermal and thermo-chemical treatment technologies of angular gear transmission elements  Design of the given welded structure	
Work placement	Not applicable	