



## Subject card

Subject name and code	Team Project, PG_00029983						
Field of study	Management and Production Engineering, Management and Production Engineering						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2022/2023		
Education level	first-cycle studies	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	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_U03	1. Is faced with the need to communicate with the use of various techniques in the professional environment (correspondence with the Leader and Collaborators). 2. Improves language skills - learning technical terminology - both in Polish and, for example, in English. 3. Gains confidence in communicating in the field of technical sciences thematically related to management and production engineering.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools
	K6_U02	1. Acquires the ability to expand data - "adding to the information obtained during studies" data found in databases and technical portals. 2. Perfect the ability to use the information provided by manufacturers of machines and devices in a responsible manner.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools
	K6_K01	1. Gains a sense of responsibility for the scope of activities carried out in the project through the need to apply the possessed and acquired technical knowledge. 2. Looks for modern and innovative solutions in its operation. 3. Gradually acquires the skills of "technical creative thinking" and activities typical of a responsible technologist and constructor.	[SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills
	K6_U01	1. The ability to purposefully use the knowledge of metal technology to perform a complex technological project. 2. Ability to use databases 3. Ability to use technical portals and verify the technical data contained therein.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject
Subject contents	<ol style="list-style-type: none"> <li>1. Presentation of the designing specifics in a team.</li> <li>2. Analysis of an exemplary design issue.</li> <li>3. Students receive a list of 6 design topics (to choose from). The implementation of your own project (proposed by Students) is also planned.</li> <li>4. Selection of teams and internal determination of teamwork rules in teams.</li> <li>5. Choosing a team leader and tasks for: the constructor, technologist and control specialist.</li> <li>6. Preparation of the concept, selection of the optimized concept.</li> <li>7. Division of tasks, partial analysis of solutions in the project, project implementation schedule, division of individual tasks.</li> <li>8. Integrated linking of elements of individual activities.</li> <li>9. Development of the project.</li> <li>10. Conference presentation of the project (eg. for a webinar).</li> </ol>		
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
	Project evaluation	50.0%	70.0%
	Teamwork assessment	50.0%	30.0%
Recommended reading	Basic literature	1. Handbook: by R. HALMSHAW: Introduction to the Non-Destructive Testing of Welded Joints  2. Guidebooks (e.g. "Biuro Gamma" in the field of NDT);  3. PN-EN ISO standards & regulation rules - depending on the content of the project.	
	Supplementary literature	ASTM standards, regulations rules of UDT and Classification Societies.	
	eResources addresses		
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		