



Subject card

Subject name and code	Team Project, PG_00029983						
Field of study	Mechanical Engineering, Mechanical 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	Department of Machine Design and Vehicles -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Grzegorz Ronowski				
	Teachers		dr inż. Wojciech Owczarzak				
			dr hab. inż. Grzegorz Ronowski				
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	The aim of the course is to prepare the student for team solving of engineering problems.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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	The student is able to design the device.	[SU1] Assessment of task fulfilment
	[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	The student performs economic analyzes.	[SK5] Assessment of ability to solve problems that arise in practice
	[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	Student is able to prepare construction and technological documentation	[SU1] Assessment of task fulfilment
	[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	The student establishes professional contacts.	[SU5] Assessment of ability to present the results of task
Subject contents	The content of the course is developing a project or an engineering task.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project.	56.0%	100.0%
Recommended reading	Basic literature	1. Automotive. Brakes and Power Transmission systems. Irving Frazee, Earl L. Bedell	
	Supplementary literature	1. Design Practices. Passenger Car Automatic Transmissions. Pergamon Press, Ltd., Headington Hill Hall, Oxford, England	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	1. Project of the drive system for a off-road car.2. Modernization of a selected car for sports requirements.		
Work placement	Not applicable		