



Subject card

Subject name and code	DESIGN THINKING, PG_00061465						
Field of study	Engineering Management						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group			Optional subject group		
Mode of study	Part-time studies (on-line)	Mode of delivery			e-learning		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Katedra Inżynierii Zarządzania i Jakości -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Anna Zielińska				
	Teachers		dr Anna Zielińska				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	16.0	0.0	0.0	0.0	16
	E-learning hours included: 16.0						
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	16		5.0		54.0	75
Subject objectives	Implements the process of generating and implementing creative solutions to new product concepts						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U02] prepares and presents convincing, professional presentations of the results of its activities, with their advanced interpretation		prepares creative design solutions that can be implemented by presenting their advanced interpretation		[SU5] Assessment of ability to present the results of task		
	[K6_W03] identifies reliable sources of information relevant to the analyzed issues		designs new product concepts using reliable information		[SW1] Assessment of factual knowledge		
Subject contents	The basics of creativity Development and stimulation of creativity Developing individual and team creativity Heuristic techniques Synectic techniques Team ideas generation Empathization in Design Thinking Phases of design thinking according to the Design Thinking concept						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Project		60.0%		100.0%		
Recommended reading	Basic literature		Ingle B., Design thinking dla przedsiębiorców i małych firm, Wyd. Helion 2015				
	Supplementary literature		Kelley T., Kelley D., Twórcza odwaga. Otwórz się na design thinking, Wyd. MT Bizness 2019				
	eResources addresses		Adresy na platformie eNauczanie: Design Thinking (online) nstac 2024/2025 zima - Moodle ID: 39724 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=39724				
Example issues/ example questions/ tasks being completed	Implementation of the project using the Design Thinking concept						
Work placement	Not applicable						

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