



Subject card

Subject name and code	Computer Aided Design, PG_00044585						
Field of study	Transport						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Metal Structures -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	mgr inż. Tomasz Mackun					
	Teachers	mgr inż. Tomasz Mackun dr inż. Wojciech Migda dr inż. Patryk Deniziak					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	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		5.0		15.0	50
Subject objectives	Basics of creating technical drawings in road engineering in a CAD environment.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W04] has basic knowledge of informatics, electronics, telecommunications, automation and control, information technologies, computer graphics, geodesy and satellite navigation which is useful for understanding how it can be applied in transport	Ability of independent making drawings technical.			[SW1] Assessment of factual knowledge		
	[K6_U05] able to use IT and graphic techniques typically used for the design, construction, operation and diagnosis of means and systems of transport	Basic knowledge of the field using the CAD environment.			[SU1] Assessment of task fulfilment		
Subject contents	Introduction into the Autocad 2D environment.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	The final evaluation of the course Engineering Graphics depends on the sum of points consisting of the evaluation of practical use the program and two projects.	60.0%			100.0%		
Recommended reading	Basic literature	The Hitchhiker's Guide to AutoCAD Basics - on-line resource					
	Supplementary literature	none					
	eResources addresses	Adresy na platformie eNauczanie:					

Example issues/ example questions/ tasks being completed	Dimensioning of road infrastructure elements. A drawing of road junction elements. Importing maps and calibration of maps.
Work placement	Not applicable