

SDAŃSK UNIVERSITY 的 OF TECHNOLOGY

Subject card

Subject name and code	Geometry and Graphics for Engineers, PG_00038384								
Field of study	Electrical Engineering								
Date of commencement of studies	October 2021		Academic year of realisation of subject			2021/2022			
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study			
Mode of study	Part-time studies		Mode of delivery			at the university			
Year of study	1		Language of instruction			Polish			
Semester of study	1		ECTS credits			2.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Mecha	h Voltage Engineering -> Faculty of Electrical and Control Engineering							
Name and surname	Subject supervisor	dr inż. Łukasz Doliński							
of lecturer (lecturers)	Teachers		dr inż. Piotr Tojza						
	dr inż. Łukasz Doliński								
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	Number of study hours	10.0	0.0	10.0	0.0		0.0	20	
	E-learning hours included: 0.0								
	Adresy na platformie eNauczanie: GEOMETRIA I GRAFIKA INŻYNIERSKA [Niestacjonarne][2021/22] - Moodle ID: 16968 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16968								
Learning activity and number of study hours	Learning activity	Participation in classes includ plan	n didactic ed in study	Participation in consultation hours		Self-study		SUM	
	Number of study hours	20		1.0		29.0		50	
Subject objectives	Ability of preparing technical documentation in AutocAD type software, including electrical part.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	K6_W11		Student describes the principles of multiview projection and explains ways of presenting views and cross-sections of machine elements.			[SW1] Assessment of factual knowledge			
	K6_U04		Student prepares the technical documentation in accordance with the binding standards.			[SU1] Assessment of task fulfilment			
	K6_K01		Student selects the appropriate computer added design tools suitable for teamwork.			[SK1] Assessment of group work skills			
Subject contents	Graphical representation of spatial elements on the plane: ortographic projection; basic concepts and principles of the technical record of construction, the types of structural records, formats and scales of drawing sheets, the method of mapping a graphical design and layout dimensions, graphical design entry of connections, separable and inseparable connection, the assembly and executive drawings, rules for creating drawings using AutoCAD, a computer record of the structure, computer methods of mapping graphics, computer records of electrical systems, presentation of selected graphical symbols for use in mechanics, electrical engineering, automation and electricity.								
Prerequisites and co-requisites	The ability of using the PC on basic level								
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade			
	examination of practical part		50.0%			50.0%			
	examination of theoretical part		50.0%			50.0%			

Recommended reading	Basic literature	 Dobrzański T.: Rysunek techniczny maszynowy. Warszawa: WNT, 1998. Mazur J., Kosiński k., Polakowski K. Grafika inżynierska z wykorzystaniem metod CAD. Oficyna Wydawnicza Politechniki Warszawskiej. Warszawa 2004. Pikoń A. AutocCAD PL. Helion. Gliwice 2006. 			
	Supplementary literature	1. www.cad.pl			
	eResources addresses	GEOMETRIA I GRAFIKA INŻYNIERSKA [Niestacjonarne][2021/22] - Moodle ID: 16968 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16968			
Example issues/ example questions/ tasks being completed	Please prepare a technical documentation of an element given.				
Work placement	Not applicable				