

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Introduction to Design and Engineering Graphics, PG_00053770								
Field of study	Engineering Management								
Date of commencement of studies	October 2022		Academic year of realisation of subject			2022/	2022/2023		
Education level	first-cycle studies		Subject group				Obligatory subject group in the field of study		
						Subject group related to scientific research in the field of study			
Mode of study	Full-time studies		Mode of delivery			at the	at the university		
Year of study	1		Language of instruction			Polish	Polish		
Semester of study	1		ECTS credits			3.0	3.0		
Learning profile	general academic profile		Assessment form			asses	assessment		
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics								
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Krzysztof Redlarski						
	Teachers dr inż. Krzysztof Redlarski								
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
	Number of study hours	30.0	0.0	30.0	0.0		0.0	60	
	E-learning hours inclu								
Learning activity and number of study hours	Learning activity	Participation in classes includ plan		Participation in consultation hours		Self-study SI		SUM	
	Number of study hours	60		0.0		0.0 60		60	
Subject objectives	The student knows the basics of design methodology, has the ability to apply them in practice design works, is able to independently make basic technical drawings and properly them read. Can use IT tools used in the design process, i.e. AutoCAD.								
Learning outcomes	Course outcome		Subject outcome Method of verification					rification	
	[K6_W05] knows the statistical and IT methods and tools that enable the acquisition and presentation of data on the organisation's resources, including technical resources					[SW3] Assessment of knowledge contained in written work and projects			
	[K6_U06] uses basic theoretical knowledge to solve selected organizational problems, design technical solutions and manage projects, including engineering projects		and is able to apply them in			[SU3] Assessment of ability to use knowledge gained from the subject			
Subject contents	LECTURE Presentation of desig tolerance drawing. Ty Principles of creating sheet formats. Eleme LABORATORY	rpes of drawing sections and s nts of technica	I lines, rules an ections of solid I drawing.	d areas of thei ls. Principles o	r applica f dimens	ation. P sioning	rojection rule: technical drav	s rectangular. wings. Drawing	
	Preparation of technical drawings with the use of AutoCAD software. Drawing rules various elements of technical machine drawing. Drawing, dimensioning and labeling technical drawings. Drawing connections of machine and device elements. Drawing drawings executive, assembly and isometric. Drawing diagrams from various fields of technology.								

Prerequisites							
and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade				
	Labolatory	60.0%	70.0%				
	Exam	60.0%	30.0%				
Recommended reading	Basic literature Supplementary literature	nek techniczny maszynowy (wyd. 24), towanie, PWN, Warszawa 1978 i AD 2016/LT2016/360+: kurs nego i nieparametrycznego 2D i 3D. /N. blakowski: Grafika inżynierska z D, Wydawnictwo Politechniki vailable.					
	eResources addresses	Podstawowe	Other design subject literature available.				
		https://enauczanie.pg.edu.pl/moodle/course/view.php?id=26162 - ecourse					
			Adresy na platformie eNauczanie:				
		Podstawy projektowania i grafika inżynierska - STAC - Moodle ID: 1794 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=1794					
Example issues/ example questions/ tasks being completed							
		35. Give the definitions of the term fit and indicate its variants.					
Work placement	Not applicable						

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