

GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Cubicat name and cade	Introduction to Design and Engineering Graphics PG 00040523								
Subject name and code	Introduction to Design and Engineering Graphics, PG_00040523								
Field of study	Engineering Management								
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 Subject group related to scientific research in the field of study			
Mode of study	Part-time studies		Mode of delivery			blended-learning			
Year of study	1		Language of instruction			Polish			
Semester of study	1		ECTS credits			3.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics								
Name and surname	Subject supervisor	dr inż. Krzysztof Redlarski							
of lecturer (lecturers)	Teachers		dr inż. Krzysztof Redlarski						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	:t	Seminar	SUM	
	Number of study hours	16.0	0.0	16.0	0.0		0.0	32	
	E-learning hours included: 16.0								
	Adresy na platformie eNauczanie: Podstawy projektowania i grafika inżynierska - Moodle ID: 19425 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=19425								
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	32		6.0		37.0		75	
Subject objectives	The student knows the basics of design methodology, has the ability to apply them in practical design works, is able to independently make basic technical drawings and read them correctly. Can use IT tools used in the design process, ie AutoCAD.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K6_U06] uses basic theoretical knowledge to solve selected organizational problems, design technical solutions and manage projects, including engineering projects		knows the design methodology			[SU4] Assessment of ability to use methods and tools			
	[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		knows drawing standards and knows how to use them in practice			[SW3] Assessment of knowledge contained in written work and projects			

Subject contents	LECTURE						
Subject contents	contents						
	Presentation of design theory. Deter drawing tolerance. Types of drawing projection. Principles of creating sec drawings. Drawing sheet formats. E	ation. Principles of orthographic					
	LABOLATORY: Preparation of technical drawings with the use of AutoCAD software. Principles of drawing various elements of a machine technical drawing. Drawing, dimensioning and describing technical drawings. Drawing connections of machine and device elements. Drawing executive, assembly and isometric drawings. Drawing diagrams from various fields of technology.						
Prerequisites and co-requisites							
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade				
and criteria	Written exam	60.0%	30.0%				
	Project	60.0%	70.0%				
Recommended reading	Basic literature	 Tadeusz Dobrzański: Rysunek techniczny maszynowy (wyd. 24), WNT Warszawa, 2005 J. Mazur, K. Kosiński, K. Polakowski: Grafika inżynierska z wykorzystaniem metod CAD, Wydawnictwo Politechniki Warszawskiej 2006r. Wojciech Gasparski: Projektowanie, PWN, Warszawa 1978 i nowsze. Jaskulski, A. (2016). AutoCAD 2016/LT2016/360+: kurs projektowania parametrycznego i nieparametrycznego 2D i 3D. Wydawnictwo Naukowe PWN. 					
	Supplementary literature	Other design subject literature available.					
	eResources addresses	Podstawy projektowania i grafika inżynierska - Moodle ID: 19425 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=19425					
Example issues/ example questions/ tasks being completed							
Work placement	Not applicable						
on placement							