



Subject card

Subject name and code	Engineering Graphics II, PG_00040167						
Field of study	Mechanical Engineering						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2026/2027	
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 university	
Year of study	1	Language of instruction				English	
Semester of study	2	ECTS credits				2.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Jacek Łubiński					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	15.0	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	The aim of the classes is to learn the principles of technical drawing of machine parts and connections used in machine building. Preparation of working and assembly drawings.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U03] is able to identify, formulate and develop the documentation of a simple design or technological task, including the description of the results of this task in Polish or in a foreign language and to present the results using computer software or other aiding tools	The student is capable of - drawing machine parts with current technical drawing norms, - creating working and assembly drawings, - reading information of machine elements on assembly drawings, - understands spatial construction of mechanical assemblies, - reads diagrams of the technical systems.			[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject		
	K6_W07	The student is capable of - drawing machine parts with current technical drawing norms, - creating working and assembly drawings, - reading information of machine elements on assembly drawings, - understands spatial construction of mechanical assemblies, - reads diagrams of the technical systems.			[SW1] Assessment of factual knowledge		

Subject contents	<p>Course content – lecture Rules of assembly draing.</p> <p>Permanent joints (wealding, soldering)</p> <p>Non permanent joints (threads)</p> <p>Normalized parts on drawing (bearings, gears, clutch, axes)</p> <p>Sealing and flexible parts.</p> <p>Electircal diagrams</p> <p>Pneumatic and hydraulic diagram.</p>											
Prerequisites and co-requisites	<p>Engineering Graphics II</p> <p>Basics of machine building and metrology</p>											
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="459 819 794 853">Subject passing criteria</th> <th data-bbox="802 819 1137 853">Passing threshold</th> <th data-bbox="1145 819 1481 853">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="459 864 794 887">Final colloquium</td> <td data-bbox="802 864 1137 887">60.0%</td> <td data-bbox="1145 864 1481 887">60.0%</td> </tr> <tr> <td data-bbox="459 898 794 920">Design classes</td> <td data-bbox="802 898 1137 920">60.0%</td> <td data-bbox="1145 898 1481 920">40.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Final colloquium	60.0%	60.0%	Design classes	60.0%	40.0%
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Final colloquium	60.0%	60.0%										
Design classes	60.0%	40.0%										
Recommended reading	<p>Basic literature</p> <p>Supplementary literature</p> <p>eResources addresses</p>	<p>Zapis Konstrukcji Geometria Wykreślna, A. Rigall, J. Sadaj Rysunek Techniczny T. Dobrzański</p> <p>Schaum's outline of theory and problems of Descriptive geometry - Minor Clyde Hawk</p>										
Example issues/ example questions/ tasks being completed	<p>Assembly drawing of welding part</p> <p>Assembly drawing of threaded connection</p> <p>Drawing of drive system</p>											
Practical activites within the subject	<p>Not applicable</p>											

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