GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Engineering Graphics II, PG_00068061		
Field of study	Spatial Development		
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
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	2	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Visual Arts -> Faculty of Architecture -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. arch. Anna Wancław	
	Teachers	mgr inż. arch. Barbara Chomicka dr inż. arch. Anna Wancław	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	15.0	0.0	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	4.0	16.0	50

Subject objectives

Increasing knowledge and develop skills for making three-dimensional space and the methods of preparation and reading terrain visualization used in land management.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W03] has knowledge in the field of mathematics and physics relating to issues related to space management, including the mathematical methods used in urban design, as well as analytical and design methods using information technology used in planning processes of settlement structures	has knowledge of mathematics relating to issues related to space management, including basic mathematical methods used in urban design, as well as analytical and design methods using IT techniques used in the processes of planning settlement structures	[SW1] Assessment of factual knowledge
[K6_U01] has the ability to abstractly understand technical problems; applies basic mathematical and simulation methods in urban planning and spatial planning	He can attractively present the effects of his work in the form of digital visualizations.	[SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment

Subject contents

Course content – lecture
Assumptions and properties of the horizontal projection method. The use of horizontal projection in earthworks: topographic surface, design of squares and roads in the area, geometric solutions for road and square drainage.

Prerequisites and co-requisites

passing the course Engineering Graphics I and Information Techniques in Urban Planning

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Correctness and appeal of design tasks	100.0%	50.0%
Test	60.0%	50.0%

Recommended reading

Basic literature	Iwan Kernicki, Projektowanie geometryczne placów budowlanych i dróg dojazdowych. Wydawnictwo SGGW, Warszawa 2008

	Supplementary literature	Z. Andrzejowski, W. Pawłowski, S. Przewłocki, *Geometria wykreślna w praktyce inżynierskiej,* Wyd PŁ, 2002 J.Waligórski, Zasady i zastosowania rzutu cechowanego, WNT, Warszawa, 1961
	eResources addresses	
Example issues/ example questions/ tasks being completed	1. The project road in terrain	
Practical activites within the subject	Not applicable	

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