



Subject card

Subject name and code	Diploma subjects, PG_00068276						
Field of study	Spatial Development						
Date of commencement of studies	October 2025	Academic year of realisation of subject			2028/2029		
Education level	first-cycle studies	Subject group			Optional subject group 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	4	Language of instruction			Polish		
Semester of study	7	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Urban Transformation -> Faculty of Architecture -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Natalia Sokół					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	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		5.0		40.0	75
Subject objectives	<p>The aim of the course Diploma Seminar: Project Presentation is to develop students advanced competencies in the visualization and communication of the results of their diploma project analyses. The course focuses on the methodological selection of data presentation formats, their interpretation, and the adaptation of the message to diverse audiences, taking into account academic and conference standards.</p> <p>Participants will work with their own empirical or experimental datasets, preparing an oral presentation intended for a diploma defence or a scientific conference. The classes are practical in nature and are aimed at developing the ability to create a clear, reliable, and engaging presentation of a design project.</p> <p>The outcome of the course will be an increased effectiveness in communicating project results during the diploma defence.</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_W07] has knowledge of the role of planner and urban planner, knowledge of intellectual property protection and the application of copyright law, knows the rules in the profession of planner and urban planner	Has basic knowledge of issues related to intellectual property protection and the principles of applying copyright law in design and research activities.	[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge
	[K6_W06] has knowledge of the structures and organizations involved in the space management process, knows the principles and legal basis of their operation and has a knowledge of the relationships between structures and social institutions on a local, regional, national and international scale, as well as on intercultural relations	Can interpret quantitative and qualitative data and transform them into clear graphical and textual outputs. Can apply appropriate forms of data visualisation depending on their nature and the purpose of the presentation.	[SW3] Assessment of knowledge contained in written work and projects
	[K6_U05] correctly interprets natural phenomena, and when formulating and solving engineering tasks related to spatial management, notices their systemic and non-technical aspects related to the natural environment	Knows the basic methods of data collection and analysis in a design and research context.	[SU4] Assessment of ability to use methods and tools
[K6_U06] properly analyses the causes and the course of the process, and the social, cultural, political, legal and economic problems affecting changes in space, including those resulting from historical circumstances; makes design decisions based on social conditions, respecting the needs of users, the cultural environment	Presents the results of analyses clearly and logically, maintaining principles of aesthetics and effective communication. Collaborates within a team and critically evaluates both their own work and the work of others.	[SU5] Assessment of ability to present the results of task	
Subject contents	<p>Course content – lecture</p> <p>Seminars: As part of the course, students will attend lectures (based on specific examples) introducing methods of effective research data presentation, principles of preparing conference presentations, scientific posters, and graphics for academic publications.</p> <p>Class work: The workshop sessions are practical in nature and are based on working with the participants own research data. Students will complete short exercises focused on preparing selected forms of data presentation: An oral presentation intended for use at a conference or departmental review, A scientific poster designed for conference events, A graphical poster illustrating results published in a research article, A short multimedia presentation summarising the progress of the doctoral research.</p> <p>The classes also include elements of visual design (typography, information hierarchy, clarity of communication) and training in tools supporting data presentation.</p> <p>Analysis: Each student will be required to conduct a critical analysis of a selected form of data visualisation both their own and that of others considering clarity of communication, reliability of the presentation, compliance with scientific standards, and visual quality. An additional component will involve a self-evaluation of their own presentation based on previously established criteria. During the course, individual consultations with the instructor are planned to allow for feedback and refinement of the various forms of presentation.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	activity during classes	65.0%	35.0%
	homework	65.0%	65.0%

Recommended reading	Basic literature	<ul style="list-style-type: none"> • Kasperski, J. (2021). <i>Metody graficznej prezentacji danych naukowych: Teoria i przykłady zastosowań</i> (1st ed.). Oficyna Wydawnicza Politechniki Warszawskiej. • Jambor, H. K., & Bornhäuser, M. (2024). Ten simple rules for designing graphical abstracts. <i>PLOS Computational Biology</i>, 20(2), e1011789. https://doi.org/10.1371/journal.pcbi.1011789
	Supplementary literature	<ul style="list-style-type: none"> • Tufte, E. R. (2001). <i>The visual display of quantitative information</i> (2nd ed.). Cheshire, CT: Graphics Press. • Healy, K. (2018). <i>Data visualization: A practical introduction</i>. Princeton University Press. • McCandless, D. (2009). <i>Information is beautiful</i>. Collins. • Cairo, A. (2016). <i>The truthful art: Data, charts, and maps for communication</i>. New Riders.
	eResources addresses	
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> • Mini-exercises involving the independent development of a selected dataset. • Selection of appropriate methods of presentation (charts, diagrams, timelines, comparative analyses). • Preparation of a graphical study including descriptions and conclusions. • Practice of oral presentations with the results of the analysis presented in multimedia form. • Peer review and group discussion of the presentations. • Preparation of two presentation boards for the thesis defence. 	
Practical activities within the subject	Not applicable	

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