



Subject card

Subject name and code	Introduction to Design - Composition and Morphology of Space, PG_00068297						
Field of study	Wstęp do projektowania - kompozycja i morfologia przestrzeni						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
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	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 Urban Transformation -> Faculty of Architecture -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. arch. Małgorzata Kostrzewska				
	Teachers		dr inż. arch. Małgorzata Kostrzewska dr inż. arch. Roman Ruczyński dr inż. arch. Anna Rubczak dr inż. arch. Łukasz Bugalski				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	30.0	0.0	45
	E-learning hours included: 0.0						
	eNauczanie source addresses: Moodle ID: 46744 Wstęp do projektowania urbanistycznego https://enauczanie.pg.edu.pl/moodle/course/view.php?id=46744						
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	45		5.0		25.0	75
Subject objectives	The aim of the course is to acquire the skills to design small urban complexes, taking into account the compositional conditions of the surroundings, based on analyses of the morphology and spatial structure of the surroundings. The aim of the course is also to develop a sense of responsibility of the urban planner for spatial order and the beauty of the cultural landscape in the design process.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U02] has the ability to abstractly understand technical problems; applies basic mathematical and simulation methods in urban design and spatial planning; uses information and communication techniques used in planning practice to present studies and design solutions related to spatial management and to conduct social discussions	has the ability to abstractly understand technical problems; applies basic mathematical and simulation methods in urban design and spatial planning; uses information and communication techniques used in planning practice to present studies and design solutions related to spatial management and to conduct social discussions	[SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania [SU2] Ocena umiejętności analizy informacji
	[K6_U04] prepares analyses of spatial assumptions on an agglomeration, city and district scale; demonstrates the ability to correctly interpret and assess the existing condition based on data from various sources; formulates guidelines for urban and architectural design and develops concepts for the transformation of urbanized structures	The student can apply appropriate methods of analysis to assess and describe urban composition in a given spatial context. They can analyse, describe and interpret urban interiors. They can present and justify guidelines for urban composition concepts. They can design a small urban complex, taking into account the context of the surroundings.	[SU1] Ocena realizacji zadania [SU2] Ocena umiejętności analizy informacji [SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu [SU4] Ocena umiejętności korzystania z metod i narzędzi [SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania
	[K6_K01] critically evaluates the received content; Recognizes the importance of knowledge in solving cognitive and practical problems; it reflects on the ethical, scientific and social aspects related to the urban planner and planner's work	The student engages in substantive discussion and justifies their opinions based on reliable sources of knowledge. They draw on the knowledge and experience of others when working in a group. They communicate to achieve the objectives set for the team. They are aware of their aptitudes and can use them in individual and team work.	[SK2] Ocena postępów pracy [SK3] Ocena umiejętności organizacji pracy [SK4] Ocena umiejętności komunikacji, w tym poprawności językowej [SK1] Ocena umiejętności pracy w grupie
Subject contents	<p>Analysis of urban space composition through the identification of urban composition elements according to K. Wejchert, K. Lynch and G. Cullen. Analysis of urban space using K. Wejchert's path and curve of experience method. Analysis of compositional conditions in a given location. Work on the concept of urban composition based on variant concepts. Concept of urban composition in a given location in the form of a drawing and a 3D model made of blocks. Discussion and feedback on the presented projects and learning outcomes achieved. Presentation of the semester project in the form of a board and a model.</p>		
	<p>Analysis of urban space according to G. Cullen, K. Wejchert and K. Lynch drawing exercises. Analysis, description and interpretation of urban interiors drawing exercise. Analysis of the urban composition of the Gdańsk University of Technology campus using the serial vision and sensory path methods. Analysis of the urban composition of Gdańsk's Main Town drawing exercises. Analysis of the urban composition of a selected location and its surroundings based on a site visit and analysis of maps and spatial data.</p>		
	<p>Synthesis of analyses from site visits. Identification of existing spatial and compositional patterns in the plot's surroundings. Alternative concepts for spatial composition in the selected location. Urban composition design in one of the proposed locations. Development of a plan, identification of the main compositional elements, proposals for materials, colours and textures, development of a cross-section and silhouette of the designed layout. Development of design boards and a model on a scale of 1:500 or 1:1000.</p>		
Prerequisites and co-requisites	No requirements		

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Assessment of the graphic appeal and aesthetics of the design	100.0%	40.0%
	Assessment of the correctness and attractiveness of the design solution	100.0%	60.0%
Recommended reading	Basic literature	Wejchert K., "Elementy kompozycji urbanistycznej", all editions. Cullen G. "Obraz miasta (The Concise Townscape)", all editions. Lynch K., "Obraz miasta (The Image of the City)", all editions.	
	Supplementary literature	Knothe J., "Sztuka budowania", all editions. Koch W., "Style w architekturze", all editions. Kostof S., "The City Shaped: Urban Patterns and Meanings Through History", all editions.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Drawing and descriptive analysis of the urban composition of the surroundings around a given plot of land in order to understand spatial patterns and design conditions. Conceptual work using a model. Conceptual design of the urban composition of a small complex located on a selected plot in the Tri-City, consisting of a graphic part (design boards) and a model on a scale of 1:500 or 1:1000.		
Practical activities within the subject	Not applicable		

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