



Subject card

Subject name and code	, PG_00068987						
Field of study	Spatial Development						
Date of commencement of studies	October 2025		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	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		1.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Urban Design and Regional Planning -> Faculty of Architecture -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. arch. Andrzej Kuryłek				
	Teachers		dr inż. arch. Andrzej Kuryłek				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
	Additional information:						
	Lectures, students' independent work, subject-specific literature, discussion during classes.						
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	15		1.0		9.0	25
Subject objectives	Introducing students to the general principles of designing urban complexes with specific functions in the context of the relationship between the built environment and the natural environment. Students acquire knowledge supporting the understanding of the city as a spatial system based on measurable relationships that can be collected, analysed and interpreted using contemporary tools and databases.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_W04] has knowledge in the field of pro-ecological design and knows the principles of sustainable development of cities and regions; has knowledge of the natural foundations of spatial management and the impact of natural conditions on the processes of economic development on a local, regional and national scale	The student knows and understands the role of the natural environment in shaping urban structures, including urban green systems, blue-green infrastructure and ecological networks, as well as contemporary challenges in urban design related to climate change.	[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation
	[K6_W01] has knowledge related to theoretical and practical issues in the field of spatial management, the basics of planning and urban design and principles of local, regional and national development, and has knowledge about contemporary trends of development and revitalization of settlement structures and the life cycle of facilities and systems related to the functioning of settlement units	The student knows and understands the general principles of designing urban complexes with specific functions and the basic spatial relationships shaping the urban structure.	[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation
	[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 critically evaluates and understands contemporary challenges in urban design and their significance for the future of the city.	
Subject contents	Course content – lecture - Spatial relationships as a fundamental tool of urban design: building–building, building–street, building–square, and building–green space relationships. - Functional programme and parameters of service development complexes: mixed residential and service development, commercial services, and public services. - Contemporary industrial development, including production and warehouse complexes and technical infrastructure in the contemporary city. - The role of public space in urban complexes. Streets and boulevards as linear public spaces. Nodal public spaces and their parameters – squares and small urban squares. - The role of the natural environment in shaping urban space. Urban green systems and blue-green infrastructure. - Ecological structure of cities and municipalities. Urban forests and natural areas: recreation, ecology, and landscape protection. Ecological corridors: urban ventilation systems, animal migration, and ecological continuity. - Specific characteristics of coastal zones in seaside cities and municipalities. Water bodies and watercourses as structure-forming elements of the urban fabric. - Contemporary challenges in urban design and the future of the city in the context of climate change.		
Prerequisites and co-requisites	Knowledge at least at the level resulting from the previously completed study programme, including the principles of designing residential development complexes and the legal foundations governing spatial relationships between buildings and land development within residential structures.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Final exam – test	51.0%	70.0%
	Attendance at lectures	51.0%	15.0%
	Active participation during lectures	51.0%	15.0%
Recommended reading	Basic literature	- Act of 7 July 1994 – Construction Law, as amended. - Regulation of the Minister of Infrastructure of 12 April 2002 on the technical conditions to be met by buildings and their location, as amended. - Act of 27 March 2003 on Spatial Planning and Development, as amended.	
	Supplementary literature		

	eResources addresses	Basic https://isap.sejm.gov.pl/isap.nsf/DocDetails.xsp?id=WDU19940890414 - Construction Law https://isap.sejm.gov.pl/isap.nsf/DocDetails.xsp?id=WDU20020750690 - Technical conditions to be met by buildings and their location https://isap.sejm.gov.pl/isap.nsf/DocDetails.xsp?id=WDU20030800717 - Spatial Planning and Development
Example issues/ example questions/ tasks being completed		
Practical activities within the subject	Not applicable	

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