



Subject card

Subject name and code	Systems, methods and tools for spatial planning, PG_00067464						
Field of study	Architecture						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	second-cycle studies		Subject group		Obligatory subject group in the field of study Specialty 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	2		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department Of Urban Design And Regional Planning -> Faculty Of Architecture -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. arch. Piotr Lorens				
	Teachers		mgr Kamil Olzacki				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	10.0	0.0	0.0	0.0	25
	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	25		3.0		22.0	50
Subject objectives	The aim of the course is to acquire knowledge of the basics of territorial self-government, legal aspects of the construction investment process and the basics of spatial development and planning theory.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W05] knows and understands issues related to architecture and urban planning in the context of the multi-discipline nature of architectural and urban design as well as the need to cooperate with other specialists; legal provisions and procedures necessary for the implementation of building designs and the integration of buildings with the overall planning project		The student has knowledge of the organization and functioning of space management at the planning stage and at all stages of the investment and construction process.		[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
	[K7_W03] knows and understands the history and theory of architecture as well as art, technology and humanities to the extent necessary for the proper performance of architectural designs; advanced issues related to architecture and urban planning useful for designing architectural objects and urban complexes in the social, cultural, natural, historical, economic, legal context and other non-technical conditions of engineering activities, integrating knowledge acquired during studies		The student has knowledge of the tools and institutions of broadly understood urban planning used in the profession of an architect.		[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		

Subject contents	<p>Territorial self-government the essence, development in Europe and Poland, the role in spatial management. Regional and local self-government units in Poland, their authorities. Finance of the territorial self-government. Contemporary problems of territorial self-government in Poland.</p> <p>Social participation in spatial management.</p> <p>Construction investment implementation process.</p> <p>Planning and plans their role in management, steering and politics. Types of plans and planning. Subjects and factors shaping space. Instruments of spatial policy. Aspects of space.</p> <p>Regions concept and types. The structure of the region's space. Regional development.</p> <p>Basic theories of spatial economy, contemporary processes (concentration, polarization, urbanization, metropolization).</p> <p>Information about space - sources, processing</p> <p>Spatial planning methods: general procedure, diagnosis (including space valorization, including threshold analysis; forecasting, including scenario method; solution design, including the use of models, scenarios, variants)</p> <p>Strategic planning - concept, features, methods. Integrated planning (strategy + study)</p> <p>Programming of revitalization</p> <p>Supra-communal planning problems - places to solve them; MOF (urban functional areas), ZIT (Integrated Territorial Investments).</p> <p>Selected research problems related to planning and spatial development</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Activity at lectures (tests / quizzes)	0.0%	20.0%
	Presence at lectures	0.0%	0.0%
	Colloquium (test)	51.0%	80.0%
Recommended reading	<p>Basic literature</p> <ol style="list-style-type: none"> 1. Dolnicki B., Samorząd terytorialny ed. 7, Warszawa 2019, Wolterskluwer Polska. 2. Sołtys J., 2010, Prognozowanie w planowaniu i zarządzaniu rozwojem przestrzennym miast. Scenariusze. in: <i>Zarządzanie rozwojem przestrzennym miast</i>, (ed. P. Lorens i J. Martyniuk-Pęczek), seria: Miasto Metropolia Region, Gdańsk, Wydawnictwo Urbanista, 2010. 3. Sołtys J., 2010, <i>Planowanie strategiczne w gminach</i>, in: <i>Zarządzanie rozwojem przestrzennym miast</i>, (ed. P. Lorens & J. Martyniuk-Pęczek), seria: Miasto Metropolia Region, Gdańsk, Wydawnictwo Urbanista, 2010. 4. Current texts of acts: Construction Law; on planning and spatial development; about the municipal government; about the district self-government; on local taxes and fees and executive regulations to these acts. 5. Presentations for lectures (PDF files) 		

	Supplementary literature	<ol style="list-style-type: none"> 1. Chmielewski J, M.: Teoria urbanistyki w projektowaniu i planowaniu miast, Oficyna wydawnicza Politechniki Warszawskiej, ed. 2, 2005. 2. Leoński Z., Szewczyk M., Kruś M., Prawo zagospodarowania przestrzeni, ed. 2 Warszawa 2019, Wolterskluwer Polska. 3. Malisz B., Zarys teorii kształtowania układów osadniczych, Arkady, Warszawa 1981 (chapter I, II, IV-IX). 4. Strzelczyk R., Prawo Nieruchomości wyd. 6, Warszawa 2019, C.H.BECK 5. Selected case law of Voivodeship Administrative Courts and the Supreme Administrative Court
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 1. What executive and legislative bodies exist at each level of local government units? What is the mode and form of their choices? What are their competences? 2. What are the sources of income of local government units? 3. What is the administrative procedure for obtaining: decisions on development conditions, building permits? <ol style="list-style-type: none"> 1. What is Christaller's theory about? 2. Give examples: threshold / barriers to city development? 3. In which planning steps can scenarios be used? 4. What authorities do the inhabitants of rural communes elect? 	
Work placement	Not applicable	

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