GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Spatial planning, PG_00061781		
Field of study	Geodesy and Cartography		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2025/2026
Education level	first-cycle studies	Subject group	
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish Materials in English and Polsh
Semester of study	6	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Geodesy -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. arch. Dominika Wróblewska	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	15.0	15.0	0.0	45

E-learning hours included: 0.0

eNauczanie source addresses:

Moodle ID: 3090 Planowanie przestrzenne
https://enauczanie.pg.edu.pl/2025/course/view.php?id=3090

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	7.0	48.0	100

Subject objectives

The aim of the course is to prepare the student for the profession in the field of knowledge about the principles of spatial planning and the use of this knowledge in the development of geodetic divisions.

Student can indentify basic spatial planning documets of local level, describes their scope and development precedures. Student can indentify spatial components and diagnose spatial development conditions. On the basis of spatial requiremets, Student can elaborate the Land Development Plan for specific building investitions.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W10] has elementary knowledge and understands the concepts of architecture and urban planning, construction, environmental engineering and transport necessary to carry out studies related to planning and investment service	has elementary knowledge and understands concepts in the field of spatial planning necessary to carry out studies related to planning and servicing investments, such as division of land real estate	[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge
[K6_W08] has legal and geodetic knowledge and understands the concepts necessary to carry out tasks related to land and building registry, spatial planning and real estate management referring to the production of maps and elaborations for legal purposes including delimitation and subdivision as well as preparation and circulation of geodetic documents in the process of carrying out investments	He has basic knowledge of legal and surveying principles and is able to combine them effectively in order to prepare project documentation related to the subdivision of land properties.	[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge

Subject contents	Course content – lecture The Spatial Planning System and Recent Changes in Planning Law Planning Space Concept and Structure Analysis of Planning Conditions and Constraints Risks and Threats in Spatial Planning Principles of Spatial Planning Planning at the Local Level Local Spatial Development Plan Transport and Accessibility Conditions in Spatial Planning Land Subdivision Procedures Land / Plot Development Single-Family Housing Development Course content – laboratory Data Collection for Planning and Design Purposes Data Analysis Preparation of Thematic Maps Course content – project Development of a Land Subdivision Concept Development of a Land Development Concept
Prerequisites and co-requisites	Knowledge of GIS, C-GEO, and CAD tools Skills in aquiring and converting data from WMS Understanding the principles of performing geodetic land subdivision
Assessment methods and criteria	

Subject passing criteria	Passing threshold	Percentage of the final grade
project	60.0%	60.0%
colloquium	60.0%	40.0%

Recommended reading	Basic literature	Currently Binding Acts and Key Regulations in Poland The following are the currently binding acts and the most important regulations in Poland concerning spatial planning, geodesy and cartography, as well as technical conditions for buildings and their location, which have a direct impact on land subdivision procedures. Act of 27 March 2003 on Spatial Planning and Development This Act regulates the principles of spatial planning, planning instruments (including the study of conditions and directions of spatial development and the local spatial development plan), planning procedures, and their impact on development conditions and land subdivision. Act of 17 May 1989 Geodetic and Cartographic Law This is the fundamental act defining the principles for conducting geodetic and cartographic works, maintaining the land and building register, delimitation of real estate boundaries, and managing geodetic registers. Act of 21 August 1997 on Real Estate Management This Act regulates the rules for real estate management, including land subdivision, property valuation, tender procedures, and property acquisition. Act of 4 March 2010 on Spatial Information Infrastructure This Act establishes the principles for the functioning of spatial data infrastructure (including geoportals), which is essential for land subdivision processes and spatial analyses. Act of 7 July 1994 Building Law This Act defines the principles of the construction process (including building permits and development conditions) and provides the legal basis for issuing technical regulations.
	Supplementary literature	• Cymerman R. (redakcja): The basis of spatial and urban planning, Wydawnictwo Uniwersytetu Warmińsko-Mazurskiego, Olsztyn 2010. • Kwaśniak P.: Local Spatial Management Plan in spatial planning system, Wydawnictwo: LexisNexis, Warszawa 2011. • Niewiadomski Z. (redakcja) Spatial planning and development - comments , Wydawnictwo C. H. Beck, Warszawa 2011. • Jędraszko A. Spatial development in Poland - the weaknesses and stregnths of legislation . Warszawa WydawnictwoPLATAN, 2005 (available on web page).
	eResources addresses	
Example issues/ example questions/ tasks being completed	Design the division of land into building plots in the area covered by the development plan.	
Practical activites within the subject	Not applicable	

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