



Subject card

Subject name and code	Basics of architecture and construction, PG_00068063						
Field of study	Spatial Development						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group		Obligatory subject group 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		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department Of Technical Fundamentals Of Architectural Design -> Faculty Of Architecture -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	30.0	0.0	0.0	0.0	45
	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	45		5.0		25.0	75
Subject objectives	The purpose of the course is to learn about the methods of developing and implementing a construction project for a single-family building or other building with a similar cubature.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U01] has the ability to abstractly understand technical problems; applies basic mathematical and simulation methods in urban planning and spatial planning		has the ability to abstractly understand technical problems; uses basic mathematical and simulation methods in urban design and spatial planning		[SU2] Assessment of ability to analyse information		
	[K6_U08] performs an urban project with a basic degree of complexity, in accordance with the set specification, applicable rules, legal provisions and taking into account economic factors, and prepares an outline of its implementation strategy; prepares elements of planning documentation, cooperating with industry specialists		prepares an urban design project of basic complexity, in accordance with the given specification, applicable principles, legal regulations and taking into account economic factors, and develops an outline of the strategy for its implementation; prepares elements of planning documentation, cooperating with industry specialists		[SU1] Assessment of task fulfilment		
	[K6_W02] has knowledge in the fields of science and scientific disciplines, relevant to spatial management, including history and theory of architecture, construction and related engineering industries		has knowledge of the fields of science and scientific disciplines relevant to spatial management, including the history and theory of architecture, construction and related engineering industries		[SW1] Assessment of factual knowledge		
Subject contents	Construction issues related to the structure proposal, material and finishing solutions for the selected conceptual design. Performed tasks: modern technologies, structures and materials in modern construction; facade and finishing materials; technical and material solutions; building structure. The basis of the study - conceptual architectural design.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	group presentation		100.0%		100.0%		

Recommended reading	Basic literature	<p>Panas J. red., Nowy poradnik majstra budowlanego, Arkady 2012.</p> <p>Żenczykowski W., Budownictwo ogólne, Warszawa, Arkady, 1986.</p> <p>Różycki S., Budownictwo ogólne 3-4, Gdańsk 1966</p> <p>Budownictwo ogólne, T 1 Materiały i wyroby budowlane, Warszawa Arkady, 2007</p> <p>Budownictwo ogólne, T 3 Elementy budynków. Podstawy projektowania, Warszawa Arkady, 2008</p> <p>Budownictwo ogólne, T 4 Konstrukcja budynków, Warszawa Arkady, 2014</p>
	Supplementary literature	<p>P. Hyks, M. Gaborik, O. Vrana, Schody, Arkady 1984</p> <p>Markiewicz Przemysław, Budownictwo ogólne dla architektów, Archi-Plus 2011 (wyd. 4)</p> <p>Markiewicz Przemysław, Detale projektowe dla architektów, Archi-Plus 2010 (wyd. 1)</p> <p>Parczewski W., Wnuk Z., Budownictwo dla architektów, Elementy robót wykończeniowych, 1998.</p> <p>Parczewski Wacław, Tworzywa sztuczne w architekturze, 1985 (wyd. 2)</p> <p>Praca redakcyjna, Budownictwo ogólne T 1, Materiały i wyroby budowlane, 2010</p> <p>Praca zbiorowa, 1000 detali w architekturze, 2010</p> <p>Neufert Ernst, Podręcznik projektowania architektoniczno-budowlanego, Arkady 2011 (wyd. 4)</p>
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	building plans and sections, using normative graphic markings, on the basis of the information provided	
Work placement	Not applicable	

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