



Subject card

Subject name and code	Basics of architecture and construction, PG_00068063						
Field of study	Spatial Development						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2026/2027		
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 -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. arch. Roman Ruczyński					
	Teachers	dr inż. arch. Anna Rubczak dr inż. arch. Elżbieta Marczak mgr inż. arch. Joanna Kowalewska dr inż. arch. Roman Ruczyński					
Lesson types	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	Course content – lecture 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 Waclaw, 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		
Example issues/ example questions/ tasks being completed	building plans and sections, using normative graphic markings, on the basis of the information provided		
Practical activities within the subject	Not applicable		

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