



## Subject card

Subject name and code	Basics of building technologies, PG_00049166						
Field of study	Spatial Development						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2022/2023		
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 Technical Fundamentals of Architecture Design -> Faculty of Architecture						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. arch. Marek Sztafrowski					
	Teachers	dr inż. arch. Marek Sztafrowski					
Lesson types and methods of instruction	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						
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	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_W02] has basic knowledge in the fields of science and scientific disciplines, relevant to spatial management, including history and theory of architecture, construction and related engineering industries	Knowledge of technical issues related to the design and implementation of architectural objects	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation				
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 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	
Work placement	Not applicable	