



## Subject card

Subject name and code	Construction project I, PG_00052780						
Field of study	Architecture						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2021/2022		
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			2.0		
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 hab. inż. arch. Marek Wysocki dr inż. arch. Marek Sztafrowski					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	0.0	30
	E-learning hours included: 0.0 Address on the e-learning platform: <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=15381">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=15381</a> Adresy na platformie eNauczanie:						
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	30	4.0		16.0		50
Subject objectives	Development of a design and construction concept for a single-family residential building according to an architectural design						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W01] knows and understands construction problems, building and engineering issues related to building design; principles, solutions, constructions and building materials used in simple engineering tasks in the field of architectural and urban design	Presents design solutions. Knowledge of structures and building materials			[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects		
	[K6_U01] is able to use the experience gained during studies to critically analyze the conditions and formulate conclusions for design in an interdisciplinary context	Knowledge of the technical issues related to design and implementation architectural objects			[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task		

Subject contents	<ul style="list-style-type: none"> <li>• Tasks related to general construction rules for single-family houses.</li> <li>• Detail of the ground floor according to individual assumptions</li> <li>• Details of the basement floor according to individual assumptions</li> <li>• Roof or flat roof detail according to individual assumptions</li> <li>• General construction assumptions for single-family houses</li> <li>• Structure of the object: static diagram of the building, detailed construction solutions.</li> <li>• Technologies, architectural detail, detailed solutions.</li> <li>• Graphic design and project application.</li> </ul>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	execution of design tasks	100.0%	100.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"> <li>• Praca zbiorowa pod kier. Buczkowskiego W.: Budownictwo ogólne.</li> <li>• Konstrukcje budynków, t. 4. Arkady, Warszawa 2009.</li> <li>• Praca zbiorowa pod kier. Lichołai L...: Budownictwo ogólne. Elementy</li> <li>• budynków, podstawy projektowania, t. 3. Arkady, Warszawa 2010.</li> <li>• Poradnik Majstra Budowlanego. Warszawa, Arkady 1992,</li> <li>• Rozporządzenia Ministra Infrastruktury z 12.04.2002 w sprawie warunków technicznych, jakim powinny odpowiadać budynki i ich usytuowanie tj. Dz.U. 2019 poz. 1065</li> <li>• Rozporządzenie Ministra Transportu, Budownictwa i Gospodarki Morskiej w sprawie szczegółowego zakresu i formy projektu budowlanego Dz.U. 2020 poz. 1609</li> </ul>	
	Supplementary literature	<ul style="list-style-type: none"> <li>• Pawłowski Paweł, Budownictwo ogólne. Warszawa, Państw. Wydaw. Nauk., 1983.</li> <li>• Żenczykowski Waclaw, Budownictwo ogólne. Warszawa, Arkady, 1986.</li> <li>• Chudzicki Mariusz [i in.], Vademecum budowlane : praca zbiorowa. Warszawa, Arkady, 1994.</li> <li>• Sieczkowski Józef, N. Tadeusz, Ustroje Budowlane.</li> </ul>	
	eResources addresses		
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> <li>• Structure layout of the of the object.</li> <li>• Layers of walls and ceilings.</li> <li>• Construction details.</li> </ul>		
Work placement	Not applicable		