



Subject card

Subject name and code	General building technology III, PG_00052781						
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			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 hab. inż. arch. Marek Wysocki					
	Teachers	dr hab. inż. arch. Marek Wysocki					
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						
	Address on the e-learning platform: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=15381 Adresy na platformie eNauczanie:						
Additional information: Classes online							
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	To learn the elements of construction and gain the knowledge to solve architectural details independently.						
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	knowledge of technical issues for single family houses (construction, construction details)			[SW1] Assessment of factual knowledge		
	[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	umiejętność opracowania elementów projektu budowlanego, w tym detali architektoniczno-budowlanych w budownictwie tradycyjnym			[SU2] Assessment of ability to analyse information		
Subject contents	Elements of wall construction, lintels, attics, tie-beams, plinths; Ceiling construction; Structures and details of flat roofs; Structures and covering of steep roofs; Water insulation of basement walls.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Colloquium in the form of a theoretical test and a drawing clause	51.0%			100.0%		

Recommended reading	Basic literature	<p>1. Praca zbiorowa pod kier. Buczkowskiego W.: Budownictwo ogólne. Konstrukcje budynków, t. 4. Arkady, Warszawa 2009.</p> <p>2. Praca zbiorowa pod kier. Lichołai L.: Budownictwo ogólne. Elementy budynków, podstawy projektowania, t. 3. Arkady, Warszawa 2010.</p> <p>3. Poradnik Majstra Budowlanego. Warszawa, Arkady 1992,</p> <p>4. Rozporządzenie Ministra Infrastruktury z dnia 1 kwietnia 2002 r. w sprawie warunków technicznych jakim powinny odpowiadać budynki i ich usytuowanie.</p> <p>5. Rozporządzenie Ministra Infrastruktury z dnia 3 lipca 2003 r. w sprawie szczegółowego zakresu i formy projektu budowlanego</p>
	Supplementary literature	<p>1. Pawłowski Paweł, Budownictwo ogólne. Warszawa, Państw. Wydaw. Nauk., 1983.</p> <p>2. Żenczykowski Wacław, Budownictwo ogólne. Warszawa, Arkady, 1986.</p> <p>3. Chudzicki Mariusz [i in.], Vademecum budowlane : praca zbiorowa. Warszawa, Arkady, 1994.</p> <p>4. Sieczkowski Józef, N. Tadeusz, Ustroje Budowlane</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed	<p>Structure system of the object. Layers of walls and ceilings. Building details.</p> <p>Sample questions :</p> <ol style="list-style-type: none"> 1. Differences between FERT and TERIVA type ceilings; 2. List tensile elements in timber roof structures 3. Connection of a floor beam of a multi-rib ceiling on a two-layer external wall - sketch and description of partitions and beam fixing elements. 	
Work placement	Not applicable	