



Subject card

Subject name and code	General building technology III, PG_00061521						
Field of study	Architecture						
Date of commencement of studies	October 2024		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	2		Language of instruction		English		
Semester of study	3		ECTS credits		1.0		
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		mgr inż. Tomasz Zybala				
	Teachers		mgr inż. Tomasz Zybala				
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		2.0		8.0	25
Subject objectives	Learning how to use basic construction solutions in residential buildings.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[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		is able to develop solutions for individual building systems and elements in terms of technology, construction and materials; including architectural and construction details in traditional construction; is able to indicate advantages and disadvantages given solution		[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information		
	[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		knows and understands the issues of construction, technology and building structures, including key issues in architectural design, is able to use knowledge acquired during studies		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Wall construction elements, lintels, parapets, wreaths, plinths; Ceiling structures; Structures and detailsflat roofs; Structures and coverings of steep roofs; Waterproofing of basement walls						
Prerequisites and co-requisites	Knowledge of general construction I and building materials						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	written assessment		51.0%		100.0%		

Recommended reading	Basic literature	1. Praca zbiorowa pod kier. Buczkowskiego W.: Budownictwo ogólne. Konstrukcje budynków, t. 4. Arkady, Warszawa 2009. 2. Praca zbiorowa pod kier. Lichołai L.: Budownictwo ogólne. Elementy budynków, podstawy projektowania, t.3. Arkady, Warszawa 2010. 3. Poradnik Majstra Budowlanego. Warszawa, Arkady 1992. 4. Rozporządzenie Ministra Infrastruktury z dnia 1 kwietnia 2002 r. w sprawie warunków technicznych jakim powinny odpowiadać budynki i ich usytuowanie. 5. Rozporządzenie Ministra Infrastruktury z dnia 3 lipca 2003 r. w sprawie szczegółowego zakresu i formy projektu budowlanego
	Supplementary literature	1. Pawłowski Paweł, Budownictwo ogólne. Warszawa, Państw. Wydaw. Nauk., 1983. 2. Żenczykowski Wacław, Budownictwo ogólne. Warszawa, Arkady, 1986. 3. Chudzicki Mariusz [i in.], Vademecum budowlane : praca zbiorowa. Warszawa, Arkady, 1994. 4. Sieczkowski Józef, N. Tadeusz, Ustroje Budowlane. Wyd. Politechniki Warszawskiej, Warszawa 1991.
	eResources addresses	Adresy na platformie eNauczenie:
Example issues/ example questions/ tasks being completed	1. Roofs: • definition, elements of roofs, • materials for a structure, • parts of a roof, • types of a roof (shape), • loads acting on the roof, • types of a roof structure (drawing + description), • timber roof structures connections.	
Work placement	Not applicable	

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