



Subject card

Subject name and code	General building technology III, PG_00061521						
Field of study	Architecture						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2027/2028	
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 -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	mgr inż. Tomasz Zybala					
	Teachers						
Lesson types	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_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		
	[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		
Subject contents	<p>Course content – lecture</p> <p>Wall construction elements, lintels, parapets, wreaths, plinths; Ceiling structures; Structures and details flat roofs; Structures and coverings of steep roofs; Waterproofing of basement walls</p>						
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 3lipca 2003 r. w sprawie szczegółowego zakresu i formy projektu budowlanego
	Supplementary literature	1. Pawłowski Paweł, Budownictwo ogólne. Warszawa, Państ.Wydaw.Nauk., 1983.2. Żenczykowski Wacław, Budownictwo ogólne. Warszawa, Arkady,1986.3. Chudzicki Mariusz [i in.], Vademecum budowlane : pracazbiorowa.Warszawa, Arkady, 1994.4. Sieczkowski Józef, N. Tadeusz, Ustroje Budowlane.Wyd.Politechniki Warszawskiej, Warszawa 1991.
	eResources addresses	
Example issues/ example questions/ tasks being completed	1. Roofs: <ul style="list-style-type: none"> • 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. 	
Practical activities within the subject	Not applicable	

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