GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	General building technology III, PG_00055708		
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	Polish
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	dr hab. inż. arch. Marek Wysocki	
	Teachers		

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

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_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	[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, knows and understands technical issues related to single-family houses (structure, building details)	[SW1] Assessment of factual knowledge

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	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 pro-jektu 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 : praca zbiorowa. Warszawa, Arkady, 1994. 4. Sieczkowski Józef, N. Tadeusz, Ustroje Budowlane
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Structure system of the object. Layers of walls and ceilings. Building details. Sample questions : 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	

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