GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Construction project II, PG_00055854		
Field of study	Architecture		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	Subject group	Optional subject group 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	English
Semester of study	4	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Technical Fundamentals of Architectural Design -> Faculty of Architecture		
Name and surname of lecturer (lecturers)	Subject supervisor	mgr inż. Tomasz Zybała	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	45.0	0.0	45

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	45	5.0	25.0	75

Subject objectives

Learning about the technical issues related to the preparation of architectural and construction design, technical project.

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	The student is able to prepare the structural design of a multifamily building. Knows how to determine the structural elements. Knows and understands the work of load-bearing structures.	[SW3] Assessment of knowledge contained in written work and projects

Subject contents

Basic types of building structures, subdivision, definitions.Basic issues related to reinforced concrete and masonry structures.Pre-design work.Architectural and building design.Selected issues of fire safety regulations.Finishing work.Building elements e.g. stairs, façade systems and claddings, glazed walls, curtain walls, suspended ceilings, floors and flooring.suspended ceilings, floors and flooring, etc.Relationships between load and stress and strain in reinforced concrete elements.

Prerequisites and co-requisites

Knowledge of general construction and materials science

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Design drawings	60.0%	100.0%

Recommended reading	Basic literature	Panas J. red., Nowy poradnik majstra budowlanego, Arkady 2012 Żenczykowski W., Budownictwo ogólne, Warszawa, Arkady, 1986. Różycki S., Budownictwo ogólne 3-4, Gdańsk 1966 Budownictwo ogólne, T 1 Materiały i wyroby budowlane, WarszawaArkady, 2007 Budownictwo ogólne, T 3 Elementy budynków. Podstawy projektowania, Warszawa Arkady, 2008 Budownictwo ogólne, T 4 Konstrukcja budynków, Warszawa Arkady,2014 Łapko A.: Projektowanie konstrukcji żelbetowych, Arkady, Warszawa2001 Łapko A., Jensen B. Ch.: Podstawy projektowania i algorytmy obliczeń konstrukcji żelbetowych, Arkady, Warszawa 2005.
	Supplementary literature	P. Hyks, M. Gaborik, O. Vrana, Schody, Arkady 1984 Markiewicz Przemysław, Budownictwo ogólne dla architektów, Archi-Plus 2011 (wyd. 4) Markiewicz Przemysław, Detale projektowe dla architektów, Archi-Plus2010 (wyd. 1) Hoła J., Pietraszek P., Schabowicz K.: Obliczenia budynków wznoszonych tradycyjnie, Dolnośląskie Wydawnictwo Edukacyjne,Wrocław 2006. Starosolski W., Konstrukcje żelbetowe, Wydawnictwo Naukowe PWN,W-wa 2007. Kobiak J., Stachurski W.: Konstrukcjeżelbetowe, Arkady,Warszawa 1984.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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