



Subject card

Subject name and code	Construction project I, PG_00061511						
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			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			Polish		
Semester of study	3	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department Of Technical Fundamentals Of Architectural Design -> Faculty Of Architecture -> Wydział 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	0.0	0.0	0.0	30.0	0.0	30
	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	30	4.0		16.0		50
Subject objectives	Development of a construction concept for a residential building in accordance with the selected design assumption						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U02] is able to design an architectural object or a simple urban complex that meets the aesthetic and technical requirements	is able to prepare architectural and construction documentation in appropriate scales in relation to the conceptual architectural design; is able to create and modify system solutions for single-family housing			[SU1] Assessment of task fulfilment		
	[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 integrate information obtained from various sources, interpret and critically analyze it; is able to use knowledge of technical issues related to the design and implementation of architectural objects; is able to create and interpret structural elements of single-family buildings and their architectural details			[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject		
Subject contents	Exercises on general construction principles for single-family houses: Storey detailground floor with floor on the ground according to individual assumptions; detail of the basement floor according to individual assumptions; general construction assumptions for single-family houses; roof detail or flat roof according to individual assumptions. Study for the facility designed as part of Architectural Design III, including: Structurefacility: static diagram of the building, detailed construction solutions. Technologies, detailarchitectural, detailed solutions. Graphic design and project submission.						

Prerequisites and co-requisites	knowledge of general building technology I & II and building materials		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Construction project I	60.0%	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	Adresy na platformie eNauczenie:	
Example issues/ example questions/ tasks being completed	Issues in the field of Construction III (exercises, project, lecture): Facility structure layout. Wall and ceiling layers. Construction details.		
Work placement	Not applicable		

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