



Subject card

Subject name and code	Construction project II, PG_00055854						
Field of study	Architecture						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2023/2024		
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 Architecture Design -> Faculty of Architecture						
Name and surname of lecturer (lecturers)	Subject supervisor	mgr inż. Tomasz Zybala					
	Teachers	dr Najmeh Hassas 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	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		
	[K6_U04] is able to use analytical methods to formulate and solve project tasks	The student is able to use technical standards, is able to adopt the structural layout of the building.			[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task		
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%
Recommended reading	Basic literature	<p>Panas J. red., Nowy poradnik majstra budowlanego, Arkady 2012</p> <p>Żenczykowski W., Budownictwo ogólne, Warszawa, Arkady, 1986.</p> <p>Różycki S., Budownictwo ogólne 3-4, Gdańsk 1966 Budownictwo ogólne, T 1 Materiały i wyroby budowlane, Warszawa Arkady, 2007 Budownictwo ogólne, T 3 Elementy budynków. Podstawy projektowania, Warszawa Arkady, 2008 Budownictwo ogólne, T 4 Konstrukcja budynków, Warszawa Arkady, 2014</p> <p>Łapko A.: Projektowanie konstrukcji żelbetowych, Arkady, Warszawa 2001</p> <p>Łapko A., Jensen B. Ch.: Podstawy projektowania i algorytmy obliczeń konstrukcji żelbetowych, Arkady, Warszawa 2005.</p>	
	Supplementary literature	<p>P. Hyks, M. Gaborik, O. Vrana, Schody, Arkady 1984</p> <p>Markiewicz Przemysław, Budownictwo ogólne dla architektów, Archi-Plus 2011 (wyd. 4)</p> <p>Markiewicz Przemysław, Detale projektowe dla architektów, Archi-Plus 2010 (wyd. 1)</p> <p>Hoła J., Pietraszek P., Schabowicz K.: Obliczenia budynków wznoszonych tradycyjnie, Dolnośląskie Wydawnictwo Edukacyjne, Wrocław 2006.</p> <p>Starosolski W., Konstrukcje żelbetowe, Wydawnictwo Naukowe PWN, W-wa 2007.</p> <p>Kobiak J., Stachurski W.: Konstrukcje żelbetowe, Arkady, Warszawa 1984.</p>	
	eResources addresses	<p>Adresy na platformie eNauczanie:</p> <p>Construction project II - Moodle ID: 38595 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=38595</p>	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		