



Subject card

Subject name and code	Construction project II, PG_00052629						
Field of study	Architecture						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2021/2022		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study 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	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	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						
	Address on the e-learning platform: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=22856 Adresy na platformie eNauczanie:						
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	6.0	24.0	75		
Subject objectives	Learning about technical issues related to the implementation of a construction design, technical design.						
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				[SW3] Assessment of knowledge contained in written work and projects		
	[K6_U02] is able to design an architectural object or a simple urban complex that meets the aesthetic and technical requirements				[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information		

Subject contents	<p>Basic types of building structures, division, definitions.</p> <p>Basic issues related to reinforced concrete and masonry structures.</p> <p>Pre-design work.</p> <p>Architectural and construction project.</p> <p>Selected issues of fire safety regulations.Finishing works.</p> <p>Building elements, e.g. stairs, facade systems and cladding, glazed walls, curtain walls, suspended ceilings, floors and floors, etc.</p> <p>Relations between load, stresses and deformation in reinforced concrete elements.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Building elements project	100.0%	100.0%
Recommended reading	<p>Basic literature</p> <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</p> <p>Budownictwo ogólne, T 1 Materiały i wyroby budowlane, Warszawa Arkady, 2007</p> <p>Budownictwo ogólne, T 3 Elementy budynków.</p> <p>Podstawy projektowania, Warszawa Arkady, 2008</p> <p>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> <p>PNB-03264/2002 Konstrukcje betonowe, żelbetowe i sprężone. Obliczenia statyczne i projektowanie.</p> <p>PN-B-03002/1999 Konstrukcje murowe niezbrojone. Projektowanie i obliczenia statyczne.</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-Plus2010 (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. Kobiak J., Stachurski W.: Konstrukcje żelbetowe, Arkady, Warszawa 1984.</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed	Presentation linked to use of technology in architectural design, related to the implementation of a construction design, technical design.	
Work placement	Not applicable	