



Subject card

Subject name and code	Construction Project V, PG_00055681						
Field of study	Architecture						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2024/2025		
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	4	Language of instruction			Polish		
Semester of study	8	ECTS credits			2.0		
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	dr inż. Tomasz Falborski					
	Teachers	dr inż. Tomasz Falborski					
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	2.0		18.0	50	
Subject objectives	Expanding knowledge in the field of technology in building construction. Conducting analyses of structural and building solutions. Selecting a solution. Presenting selected solutions.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W05] knows and understands issues related to architecture and urban planning in the context of the multi-discipline character of architectural and urban design; laws and procedures necessary to implement building designs; estimation of costs principles, project management, cost control methodology and principles of implementing a construction project	Knows and understands technical issues requiring solutions in a building. Is able to determine the assumptions for the project that are important for technical aspects and their mutual relationships with the architecture of the building. Is able to analyze the design situation and provide indicated technical solutions.			[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	Is able to indicate technical aspects in an architectural and construction project.			[SU5] Assessment of ability to present the results of task		

Subject contents	<p>Technical revision in 4 topics:</p> <ol style="list-style-type: none"> 1. Walls; 2. Ceilings; 3. Roofs; 4. Foundations. <p>Specialist design consultations in the field of technical and construction solutions for the designed building. In this scope, the most important technical topics will be taken up depending on the design situation, e.g. building structure, facade solutions, layer arrangements for partitions in the building.</p>														
Prerequisites and co-requisites															
Assessment methods and criteria	<table border="1" data-bbox="448 828 1489 965"> <thead> <tr> <th data-bbox="448 828 794 862">Subject passing criteria</th> <th data-bbox="794 828 1141 862">Passing threshold</th> <th data-bbox="1141 828 1489 862">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 862 794 896">Notes from the revision lessons</td> <td data-bbox="794 862 1141 896">0.0%</td> <td data-bbox="1141 862 1489 896">25.0%</td> </tr> <tr> <td data-bbox="448 896 794 929">Preparation for consultation</td> <td data-bbox="794 896 1141 929">50.0%</td> <td data-bbox="1141 896 1489 929">50.0%</td> </tr> <tr> <td data-bbox="448 929 794 965">Presentation of solutions</td> <td data-bbox="794 929 1141 965">50.0%</td> <td data-bbox="1141 929 1489 965">25.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Notes from the revision lessons	0.0%	25.0%	Preparation for consultation	50.0%	50.0%	Presentation of solutions	50.0%	25.0%
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Recommended reading	Basic literature	<ul style="list-style-type: none"> • Z. Mielczarek, "Nowoczesne konstrukcje w budownictwie ogólnym", Arkady, 2001; • W. Starosolski, "Konstrukcje żelbetowe według PN-B-03264: 2002 i Eurocodu 2", wydane 10 rozszerzone, Tom I, II i III, PWN, 2006; • A. Rawska-Skotniczny, "Obciążenia budynków i konstrukcji budowlanych według Eurocodów", PWN, 2013 i 2014; • H. Michalak, "Garáže wielostanowiskowe", Arkady 2009; • A. Biegus, "Stalowe budynki halowe", Arkady, 2003; • E. Schunck, H. Jochen Oster, R. Barthel, K. Kießl, Atlas dachów Dachy spadziste, mdm, 2005, ISBN 8392160002; • Structure for Architects, Taylor & Francis Ltd, sierpień 2019, ISBN 9781138554382; • Sandaker, Eggen, Arne P., Cruvellier, Mark R., Structural Basis of Architecture, Taylor & Francis Ltd, 2019, ISBN 9781138651999; • Chudley Roy, Greeno Roger, Kovac Karl, Chudley and Greeno's Building Construction Handbook, Taylor & Francis Ltd, 2023; • Philip Garrison, Basic Structures, John Wiley & Sons Inc, 2016; • Edward Allen, Patrick J. Rand Inc, Architectural Detailing - Function, Constructibility, Aesthetics 3e, John Wiley & Sons , 2016, ISBN 1118881990; • Mario Salvadori, Why Buildings Stand Up, WW Norton & Co, 1991; • Andrew Watts, Modern Construction Handbook, Birkhauser, 2022; 													
	Supplementary literature	<ul style="list-style-type: none"> • Hermann Kaufmann, Stefan Krötsch, Stefan Winter, Manual of Multistorey Timber Construction, De Gruyter, 2022; • Thomas Herzog, Roland Krippner, Werner Lang, Facade Construction Manual, De Gruyter, 2017; • Wolfgang Huß, Matthias Kaufmann, Konrad Merz, Building in Timber - Room Modules, Detail, 2019; • Anne Niemann, Stefan Torno, Building with Hardwood, De Gruyter, 2021; • Werner Lang, Stefan Winter, Hybrid Construction - Timber External Walls, Detail, 2022 													
	eResources addresses	Adresy na platformie eNauczanie:													
Example issues/ example questions/ tasks being completed															
Work placement	Not applicable														

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