GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Construction project III, PG_00055538						
Field of study	Projekt elementów konstrukcyjnych I						
Date of commencement of studies	October 2023		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	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		1.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Technical Fundamentals of Architectural Design -> Faculty of Architecture -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	mgr inż. arch. Joanna Wojtas					
	Teachers						

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	15.0	0.0	15

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	15	2.0	8.0	25

Subject objectives

Analysis of the building in terms of structural solutions, selection of the most advantageous variant due to the structure in connection with the architectural concept. Development of the concept of the selected variant for the building structure in terms of the arrangement of the superstructure elements and presentation of their mutual relationships.

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 develop solutions for individual building systems and elements in terms of technology, construction and materials and prepare architectural and construction documentation at appropriate scales in relation to the conceptual architectural design; is able to present variants of solutions for the superstructure of the building (load-bearing structure). Analyzes the advantages and disadvantages of the presented solutions. Selects the most advantageous variants due to the structure and the adopted architectural assumptions.	[SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania [SU1] Ocena realizacji zadania [SU2] Ocena umiejętności analizy informacji
[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 issues related to architecture and urban planning in the context of the multi-discipline character of architectural and urban design;	[SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym

Subject contents

Course content – project
Structural and construction study for the designed in the scope of the superstructure: load-bearing structure, floor systems, stability, structural expansion joints and construction drawing.

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">Knowledge on typical solutions for the construction of cubature buildings in common technologies, such as: reinforced concrete, steel, wood.</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td></td><td>100.0%</td><td>40.0%</td></tr><tr><td></td><td>100.0%</td><td>60.0%</td></tr></table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">as above</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">as above</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">Structural system, floor systems, stability of the object, structural expansion joints, construction technologies, technical details.</td></tr>
<tr><td>Practical activites within the subject</td><td colspan="3">Not applicable</td></tr>
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