GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Theory of architectural design III, PG_00061818		
Field of study	Architecture		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
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	3	ECTS credits	1.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Housing and Architecture of Public Buildings -> Faculty of Architecture -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Najmeh Hassas	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0	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	1.0	9.0	25

Subject objectives

the aim of the course is to acquire basic knowledge of the residential environment by the student

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W02] knows and understands the rules of gathering information and their interpretation as a part of project concept preparation; issues related to architecture and urban planning in the field of simple design problems solving	knows and understands the theory of architecture useful for formulating and solving simple tasks in the field of architectural design; knows and understands the principles of collecting information and interpreting it in the framework of preparing a design concept	[SW1] Assessment of factual knowledge
[K6_W03] knows and understands history and theory of architecture as well as art, technology and humanities to the extent necessary for the proper performance of architectural designs; issues related to architecture and urban planning useful for the design of architectural objects and urban complexes in the context of social, cultural, natural, historical, economic, legal and other non-technical conditions of engineering activities, integrating knowledge acquired during studies;	knows and understands architectural design in the scope of single-family housing development; knows and understands issues related to architecture and urban planning useful for the design of architectural objects and urban complexes in the context of social, cultural, natural, historical, economic, legal and other non-technical conditions of engineering activities, integrating knowledge acquired during studies;	[SW1] Assessment of factual knowledge

<table>
<tr><td>Subject contents</td><td>Course content – lecture
1. Terminologys definitions (architectural theory design methodology) - Anthology of Architectural Theory
2. Variations of Design Methodology - Difference between Architectural Theory and Design Theory
3. Study of typology of design consepts
4. Dwelling and Home, Place and dwelling, Place and context
5. Designers and users environmental awareness and concepts
6. House zones and Its diagrams. Day-time zone, entrance zone, kitchen (equipment, furniture, ergonomics), dining room, family room, atelier (workshop), living.
7. Night zone: bedrooms, wardrobes, bathrooms
8. House structure. Foundations, cellar, external walls, roofs, roof structures, roof covering
9. Materials: quantity and cost
10. Interiors. Fittings, materials, colour schemes, finishing materials
11. Installations water and sewage, heating, electric system
12. Documentation/specification. Architectural project, building project; Presentation of chosen examples of project documentation
13. Relations between investor, architect and building contractor. Clients supply, demand realisation; Characteristics of a well designed single family house.
14. Analytical case studies and applied projects
15. Summary of lecture topics; Exam information</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>exam</td><td>60.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>1. Rem Koolhaas, Elements of Architecture
2. Maxstutis Geoffrey, Design process in Architecture, Laurence King Verlag GmbH , Laurence King Verlag GmbH , Laurence King Publishing. 2018
3. Davidson Cragoe Carol, How to read buildings, Bloomsbury Publishing Plc, 2021
4. Robert Atkinson,Theory and Elements of Architecture, Hassell Street Press , 2021</td></tr><tr><td>Supplementary literature</td><td>1. Andrew Ballantyne, Architecture Theoty, Bloomsbury Publishing, 2005
2. Durability of Building Materials and Components 7, Proceedings of the seventh international conference, Taylor & Francis Ltd , 2020
3. Miękka, Form in Architecture and Music, Praesens, 2022
4. Ernst Neufert, Neufert (Architecture data), John Wiley & Sons, 2019
5. Joy Twarda, Design Thinking for Interiors - Inquiry, Experience, Impact, John Wiley & Sons Inc, 2011</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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