GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Prediploma project, PG_00055537		
Field of study	Architecture		
Date of commencement of studies	October 2021	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	3	Language of instruction	Polish
Semester of study	6	ECTS credits	8.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Environmental Design -> Faculty of Architecture		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. arch. Dorota Wojtowicz-Jankowska	
	Teachers	dr inż. arch. Małgorzata Skrzypek-Łachińska dr inż. arch. Agnieszka Błażko mgr inż. arch. Stanisław Dopierała dr hab. inż. arch. Robert Idem dr inż. arch. Agnieszka Kurkowska dr inż. arch. Jacek Poplatek dr inż. arch. Piotr Marczak dr inż. arch. Tomasz Szymański dr inż. arch. Elżbieta Marczak dr inż. arch. Ksenia Piątkowska mgr inż. arch. Marta Wojtkiewicz dr inż. arch. Jarosław Bąkowski	

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	120.0	0.0	120
	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	120	15.0	65.0	200

Subject objectives	The aim of the course is to develop a concept for the architectural design of a building with an area of up to 2000 m2. The architectural concept is to solve the problem of locating an object with a specific function in the structure of urbanized space, taking into account pro-environmental solutions.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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 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	[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 design an architectural object or a simple urban complex that meets the aesthetic and technical requirements	[SU1] Assessment of task fulfilment
[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] Assessment of knowledge contained in written work and projects
[K6_K02] is ready to respect the diversity of views and cultures and to show sensitivity to the social aspects of the profession	The student is able to discuss and express his views while working with other people cooperating with him.	[SK1] Assessment of group work skills
[K6_K01] is ready to comply with the principles of professional ethics and take responsibility for his/her actions	The student performs the project independently using the knowledge acquired during the studies.	[SK4] Assessment of communication skills, including language correctness

Subject contents

The design task is to develop an architectural concept of a building with an area of net up to approx. 2000 m2 and land development project. Each department/design studio proposes the function and location of the facility. In consultation with the person conducting the project, the student may propose the function and location of the object. The indicated area must always be covered by the local zoning plan or have a technical specification.The project should be composed of min. 2 boards of B1 format (100x70 cm) in a horizontal arrangement.I. The descriptive part (the so-called "booklet" of A4 format) should contain:1. Cover page2. Contents3. Design problem study (elements) including:A. Analyzesa) examples of objects with a function analogous to the designed one (functional, spatial, structural solutions)b) the location and urban context of the situationc) the provisions of the Local Development Plan or the decision on development conditionsB. Design GuidelinesC. Descriptionsa) the idea of the projectb) the urban part (as in the plot or land development project)c) the architectural part (as in the architectural and construction project)d) structural partse) installation part** Guidelines and editorial requirements for the descriptive part can be found on the website of the Faculty of Architecture in the Engineering Diploma tab: https://cdn.files.pg.edu.pl/arch/Dziekanat/ogólne/dyplomowe/ZR%2053-2022_wytyczne%20edytorskie. pdfII. Drawing part containing:A. architectural parta) the concept of the land development project (1:500)b) floor plans (1:200)c) roof projection (scale to be agreed)d) 2 characteristic sections (1:200)e) elevations taking into account the cross-section through the area (including the underground storey, if required by the function or form) containing material and color solutions (1:200)f) silhouette of the facility with neighboring buildings (scale to be agreed)g) axonometry/perspectivesh) sketches presenting the adopted idea, conceptual assumptions, urban analyses, schematic diagrams, slogan, etc.B. construction and installation parta) the concept of the main structure of the building (e.g. axonometry), in terms of the structural system of the building along with the floor and roof layoutb) basic elements of the building's technical service - diagram of the installation system (indication of technical rooms, installation shafts)The scale of the project development - 1:200, in justified cases, the scale of 1:100 is acceptable.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
średnia ważona	50.0%	100.0%

Recommended reading	Basic literature	• Neufert E., Podręcznik projektowania architektoniczno budowlanego, Arkady, 2022 • ROZPORZĄDZENIE MINISTRA INFRASTRUKTURY 1z dnia 12 kwietnia 2002 r.w sprawie warunków technicznych, jakim powinny odpowiadać budynki i ich usytuowanie • Zintegrowany proces projektowania prośrodowiskowego, Politechnika Warszawska
	Supplementary literature	Garrison Philip, Basic Structures Constructing Landscape: Materials. Techniques, Structural Components Designing Urban Agriculture
	eResources addresses	Adresy na platformie eNauczanie: SAOZ-2023-2024 Projekt przeddyplomowy 6 - Moodle ID: 36925 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36925 SAOZ-2023-2024 Projekt przeddyplomowy 6 - Moodle ID: 36925 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36925
Example issues/ example questions/ tasks being completed	- functional solutions e.g. for hotel, waterside and residential facilities - various types of construction - building materials	
Work placement	Not applicable	