GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Construction project I, PG_00052618		
Field of study	Architecture		
Date of commencement of studies	October 2022	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	2	Language of instruction	Polish
Semester of study	3	ECTS credits	2.0
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 Zybała	
	Teachers	mgr inż. Tomasz Zybała	

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	4.0	16.0	50

Subject objectives

Development of a construction concept for a residential building in accordance with the selected design assumption

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U01] is able to use the experience gained during studies to critically analyze the conditions and formulate conclusions for design in an interdisciplinary context	the student is able to create and interpret structural elements of single-family buildings and their architectural details	[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject
[K6_U02] is able to design an architectural object or a simple urban complex that meets the aesthetic and technical requirements	the student is able to create and modify system solutions for single-family housing	[SU1] Assessment of task fulfilment

Subject contents

Exercises on general construction principles for single-family houses: Storey detailground floor with floor on the ground according to individual assumptions; detail of the basement floor according toindividual assumptions; general construction assumptions for single-family houses; roof detail orflat roof according to individual assumptions.Study for the facility designed as part of Architectural Design III, including: Structurefacility: static diagram of the building, detailed construction solutions. Technologies, detailarchitectural, detailed solutions. Graphic design and project submission.

Prerequisites and co-requisites

knowledge of general building technology I & II and building materials

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Construction project I	60.0%	100.0%

Recommended reading	Basic literature	1. Praca zbiorowa pod kier. Buczkowskiego W.: Budownictwo ogólne.Konstrukcje budynków, t. 4. Arkady, Warszawa 2009. 2. Praca zbiorowa pod kier. Lichołai L..: Budownictwo ogólne. Elementybudynków, podstawy projektowania, t. 3. Arkady, Warszawa 2010. 3. Poradnik Majstra Budowlanego. Warszawa, Arkady 1992, 4. Rozporządzenie Ministra Infrastruktury z dnia 1 kwietnia 2002 r. wsprawie warunków technicznych jakim powinny odpowiadać budynki iich usytuowanie. 5. Rozporządzenie Ministra Infrastruktury z dnia 3 lipca 2003 r. wsprawie szczegółowego zakresu i formy pro-jektu budowlanego
	Supplementary literature	1. Pawłowski Paweł, Budownictwo ogólne. Warszawa, Państ. Wydaw.Nauk., 1983. 2. Żenczykowski Wacław, Budownictwo ogólne. Warszawa, Arkady, 1986. 3. Chudzicki Mariusz [i in.], Vademecum budowlane : praca zbiorowa.Warszawa, Arkady, 1994. 4. Sieczkowski Józef, N. Tadeusz, Ustroje Budowlane.
	eResources addresses	Adresy na platformie eNauczanie: Construction project I - Moodle ID: 34195 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=34195
Example issues/ example questions/ tasks being completed	Issues in the field of Construction III (exercises, project, lecture):Facility structure layout. Wall and ceiling layers. Construction details.	
Work placement	Not applicable	