GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Building Planning and Managment, PG_00053075						
Field of study	Architecture						
Date of commencement of studies	October 2020		Academic year of realisation of subject		2023/2024		
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	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 Architecture Design -> Faculty of Architecture						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. arch. Rafał Janowicz				
	Teachers		dr inż. arch. Michał Kwasek				
			mgr inż. arch. Bogumiła Kapica				

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	Gaining the knowledge about the economic aspects of architectural design.
	The student has a basic knowledge of economic consequences of designing, knows basic methods of measuring the costs of investment used in building process.
	The student knows basic economic vocabulary within the investing process.
	The student can define the connection between project solutions and economic consequences.
	The student can estimate costs of project works and realizations costs of selected building works.

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 issues related to estimation of costs principles, project management, cost control methodology and principles of implementing a construction project	[SW1] Assessment of factual knowledge
	[K6_K71] is conscious of the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	is able to apply knowledge from economic sciences in order to solve problems in a social environment	[SK5] Assessment of ability to solve problems that arise in practice
	[K6_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems in a social environment	is able to apply knowledge from economic sciences in order to solve problems in a social environment	[SU3] Assessment of ability to use knowledge gained from the subject

Subject contents	
	• Basic economic issues • Organization of arcitectural office • Economic analysis and compilations within project specifications • Valuation of building works • Types of estimating • Negotiations in business • Cycles of buildings life • Project management and function of project engineer • Management of project profitability • Economic consequnces of masterplans • Valuation of project works • Valuation of properties • Marketing in building • Investing process participants and properties management • Describing the tools of managing the project (using the connections net with critical ways, schedule) • Regulations basis of the investing process, main participants in the process. • Architectural offices forms of activity, right of representing the company, signing contracts. • Architectural project management architect as a coordinator of investing process. (Types of project works, range of works, types of projects, functions divided within the architectural office) • Describing the issues of organizing the investing process of building; regulations basis of the Health and Safety on the building site.

Prerequisites and co-requisites	

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	EXERCISES	80.0%	100.0%

Recommended reading	Basic literature	
		• Rozporządzenie Ministra Infrastruktury z dnia 18 maja 2004 r. w sprawie określenia metod i podstaw sporządzania kosztorysu inwestorskiego, obliczania planowanych kosztów prac projektowych oraz planowanych kosztów robót budowlanych określonych w programie funkcjonalno-użytkowym • Katalogi nakładów rzeczowych - roboty ziemne KNR2-01, konstrukcje budowlane tom I i II KNR2-02, • Informacja o cenach materiałów budowlanych SEKOCENBUD • Informacja o stawkach robocizny kosztorysowej oraz o cenach pracy sprzętu budowlanego SEKOCENBUD • Witold Andrzej Werner Proces Inwestycyjny dla Architektów Oficyna Wydawnicza Politechniki Warszawskiej; Warszawa 2000 • Kazimierz Jaworski "Podstwy Organizacji budowy" Wydawnictwo naukowe PWN Warszawa 2005 Regulations respecting: • Informations and plan of Health and Safety • Health and Safety during the works on building site.

	Supplementary literature	1. Werner W. A.: Proces inwestycyjny dla architektów cz. 4 Ekonomika, 2002. 2. Werner W. A.: Proces inwestycyjny studium przypadku, Oficyna Wydawnicza Politechniki Warszawskiej, 2002. 3. Grych M.: Ekonomika projektowania architektonicznego i urbanistycznego, Wyd. P.G., 1978. 4. Wojciech Szwajdler Tomasz Bąkowski "Proces inwestycyjno - budowlan
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Questions/students tasks 1. Valuation of project works with calculating profitability limit of the undertaking 2. Valuation of selected building works on the basis of catalogues.	
Work placement	Not applicable	