GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Economics and organization of investment processes, PG_00061823		
Field of study	Architecture		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2025/2026
Education level	first-cycle studies	Subject group	Obligatory subject group in the field of study
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	English
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	dr hab. inż. arch. Rafał Janowicz	
	Teachers	dr hab. inż. arch. Rafał Janowicz	

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

Acquiring practical skills on the economic aspects of architectural design. The student is able to apply basic methods of measuring investment costs used in the construction process. The student is able to estimate the costs of design work and the costs of implementing selected construction works.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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 of economics to solve problems in the social environment, is able to perform a preliminary economic analysis of planned engineering activities;	[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 the economics of investments and organizational methods, as well as the design and investment process; basic principles of managing design and implementation quality in the construction process; knows and understands issues related to estimation of costs principles, project management, cost control methodology and principles of implementing a construction project	[SW3] Assessment of knowledge contained in written work and projects

Subject contents

Course content – lecture

- 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

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.

Practical activites within the subject

Not applicable

Document generated electronically. Does not require a seal or signature.