



## Subject card

Subject name and code	Economics and organization of investment processes, PG_00055729						
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			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			Polish		
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						
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	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	2.0		8.0		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_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			[SW3] Assessment of knowledge contained in written work and projects		
	[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			[SU1] Assessment of task fulfilment		

Subject contents	<ul style="list-style-type: none"> <li>• Basic economic issues</li> <li>• Organization of architectural office</li> <li>• Economic analysis and compilations within project specifications</li> <li>• Valuation of building works</li> <li>• Types of estimating</li> <li>• Negotiations in business</li> <li>• Cycles of buildings life</li> <li>• Project management and function of project engineer</li> <li>• Management of project profitability</li> <li>• Economic consequences of masterplans</li> <li>• Valuation of project works</li> <li>• Valuation of properties</li> <li>• Marketing in building</li> <li>• Investing process participants and properties management</li> <li>• Describing the tools of managing the project (using the connections net with critical ways, schedule)</li> <li>• Regulations basis of the investing process, main participants in the process.</li> <li>• Architectural offices forms of activity, right of representing the company, signing contracts.</li> <li>• 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)</li> <li>• Describing the issues of organizing the investing process of building; regulations basis of the Health and Safety on the building site.</li> </ul>								
Prerequisites and co-requisites									
Assessment methods and criteria	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">Subject passing criteria</th> <th style="width: 30%;">Passing threshold</th> <th style="width: 30%;">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td>EXERCISES</td> <td>80.0%</td> <td>100.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	EXERCISES	80.0%	100.0%
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EXERCISES	80.0%	100.0%							
Recommended reading	<p>Basic literature</p>	<ul style="list-style-type: none"> <li>• 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</li> <li>• Katalogi nakładów rzeczowych - roboty ziemne KNR2-01, konstrukcje budowlane tom I i II KNR2-02,</li> <li>• Informacja o cenach materiałów budowlanych SEKOCENBUD</li> <li>• Informacja o stawkach robocizny kosztorysowej oraz o cenach pracy sprzętu budowlanego SEKOCENBUD</li> <li>• Witold Andrzej Werner Proces Inwestycyjny dla Architektów Oficyna Wydawnicza Politechniki Warszawskiej; Warszawa 2000</li> <li>• Kazimierz Jaworski "Podstwy Organizacji budowy" Wydawnictwo naukowe PWN Warszawa 2005</li> </ul> <p>Regulations respecting:</p> <ul style="list-style-type: none"> <li>• Informations and plan of Health and Safety</li> <li>• Health and Safety during the works on building site.</li> </ul>							
	Supplementary literature	<ol style="list-style-type: none"> <li>1. Werner W. A.: Proces inwestycyjny dla architektów cz. 4 Ekonomika, 2002.</li> <li>2. Werner W. A.: Proces inwestycyjny studium przypadku, Oficyna Wydawnicza Politechniki Warszawskiej, 2002.</li> <li>3. Grych M.: Ekonomika projektowania architektonicznego i urbanistycznego, Wyd. P.G., 1978.</li> <li>4. Wojciech Szwajdler Tomasz Bąkowski "Proces inwestycyjno - budowlan</li> </ol>							
	eResources addresses	Adresy na platformie eNauczanie:							
Example issues/ example questions/ tasks being completed	<p>Questions/students tasks</p> <ol style="list-style-type: none"> <li>1. Valuation of project works with calculating profitability limit of the undertaking</li> <li>2. Valuation of selected building works on the basis of catalogues.</li> </ol>								
Work placement	Not applicable								

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