



Subject card

Subject name and code	Building Installations for Architects, PG_00067115						
Field of study	Architecture						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	second-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	1		Language of instruction		Polish		
Semester of study	1		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Faculty Of Architecture -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. arch. Tomasz Szymański				
	Teachers		dr inż. arch. Tomasz Szymański				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	0.0	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		3.0		17.0	50
Subject objectives	The aim of the course is for students to acquire learning outcomes consistent with the study program. The aim of the course is to acquire knowledge and skills in the field of applying modern technologies and installation systems in construction, extended with pro-ecological solutions in construction.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_U02] is able to use interdisciplinary knowledge and skills acquired during studies to design a complex architectural object or urban complex that meets the aesthetic and technical requirements, creating and transforming space and giving it new values		The student knows to apply technical providing solutions comfort and safety in the building.		[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject		
	[K7_W01] knows and understands construction, building and engineering issues related to building design; principles, solutions, constructions and building materials used in performing complex engineering tasks in the field of architectural and urban design		The student knows how to choose technical providing solutions comfort and safety in the building.		[SW2] Assessment of knowledge contained in presentation		
Subject contents	1. Water supply system. 2. Sanitary systems. 3. Storm water and drainage systems. 4. Gas installation. 5. Ventilation system. 6. Building heating system. 7. Electrical installation system.						
Prerequisites and co-requisites	Participation in classes in the subject: Architectural and Urban Theories in Revitalisation Process						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Lectures - Participation in online lectures	50.0%	10.0%
	Classes - final work	100.0%	80.0%
	Classes - presentation	100.0%	10.0%
Recommended reading	Basic literature	1. Rozporządzenie Ministra Infrastruktury w sprawie warunków technicznych, jakim powinny odpowiadać budynki i ich usytuowanie; wraz z zmianami. (Dz. U. Nr 75, poz. 690 z 2002 r.) 2. Rozporządzenie Ministra Spraw Wewnętrznych i Administracji z dnia 07 czerwca 2010 r. w sprawie ochrony przeciwpożarowej budynków, innych obiektów budowlanych i terenów (Dz. U. nr 109 poz. 719). 3. Rozporządzenie Ministra Spraw Wewnętrznych i Administracji z dnia 24 lipca 2009 r. w sprawie przeciwpożarowego zaopatrzenia w wodę dróg pożarowych.	
	Supplementary literature	-	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	1. Describe the reasons for designing the sanitary system and how to implement it in the building. Indicate its architectural effects.2. Describe the chosen method of heating the building and present the ways of its implementation in building. Indicate its influence on the architecture of the building.3. Describe the selected method of preparing hot water in the building and present the methods of its implementation this system in the building. Indicate its influence on the architecture of the building.4. Describe the method of implementing the gas installation in the building. Indicate its influence on the architecture of the building.		
Work placement	Not applicable		

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