



Subject card

Subject name and code	Building instalation, PG_00052818						
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	5		ECTS credits		1.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department Of Technical Fundamentals Of Architectural Design -> Faculty Of Architecture -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. arch. Michał Kwasek				
	Teachers		dr inż. arch. Michał Kwasek				
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						
	Additional information: Lectures are conducted remotely using the university's eLearning platform.						
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	To learn about branch design issues in the field of technical building equipment and their impact on the architecture of the building.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U02] is able to design an architectural object or a simple urban complex that meets the aesthetic and technical requirements		Can analyze local/technical determinants in the context of the availability of urban networks. Is able to verify the correctness of the adopted design solutions in terms of the feasibility of building installations in the building.		[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_W01] knows and understands construction problems, building and engineering issues related to building design; principles, solutions, constructions and building materials used in simple engineering tasks in the field of architectural and urban design		Student learns about branch design issues in the field of building technical equipment and their impact on the architecture of the building.		[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects		

Subject contents	The lectures are in the form of multimedia presentations, which present theoretical and practical issues related to the implementation of technical installations in buildings and rooms of various purposes. Lecture topics: - building connections to municipal networks, - electrical installation - plumbing and rainwater drainage installations, - heating of buildings and production of hot water, - mechanical ventilation, - fire protection systems, - pro-ecological installations		
Prerequisites and co-requisites	Has basic knowledge of material and construction solutions for building structures.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	evaluation from the colloquium	55.0%	100.0%
Recommended reading	Basic literature	Ustawa Prawo Budowlane wraz z przepisami wykonawczymi (przepisy techniczne) Rozporządzenie Ministra Infrastruktury z dnia 12 kwietnia 2002 r. w sprawie warunków technicznych, jakim powinny odpowiadać budynki i ich usytuowanie. (Dz. U. Nr 75, poz. 2351) z późniejszymi zmianami.	
	Supplementary literature	Borysiuk S., Sanitarno-higieniczne zasady projektowania zakładów gastronomicznych i obiektów handlowych (miejsc obrotu) z artykułami żywnościowymi, opracowanie. PZITS, Warszawa 1999.	
	eResources addresses	Adresy na platformie eNauczanie: Instalacje budowlane MK45/2 2023/24 - Moodle ID: 33629 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33629	
Example issues/ example questions/ tasks being completed	Develop a survey of the installations present in the building.List the method of routing mechanical ventilation ducts in the building.Identify ways to select the number and location of internal hydrants in the building.Describe the selected method of heating installation in the building.		
Work placement	Not applicable		

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