



Subject card

Subject name and code	Building Installations for Architects, PG_00057083						
Field of study	Architecture						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2023/2024		
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			English		
Semester of study	1	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Urban Design and Regional Planning -> Faculty of Architecture						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. arch. Roman Ruczyński					
	Teachers	dr inż. arch. Roman Ruczyński					
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	4.0		16.0		50
Subject objectives	The aim of the course is to strengthen the knowledge of technical aspects of designing architecture - installations systems inside and outside the building. Aside it is concerned on pro-environmental solutions.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[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		Students understand the requirements related to installation technical issues and seeks solutions guided by ecological design principles.		[SW3] Assessment of knowledge contained in written work and projects		
	[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		Students are able to implement technical solutions ensuring comfort and safety in the building. Is aware of spatial requirements and potential conflicts with buildings architecture and structure.		[SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment		
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. Electric power and electrotechnical installations.						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	final design - correctness and relevance of solutions	100.0%	30.0%
	final design - preserving architectural values	0.0%	30.0%
	final design - pro-environment solutions	100.0%	40.0%
Recommended reading	Basic literature	<p>Required reading of selected parts of polish regulations:</p> <p>1. Rozporządzenie Ministra Infrastruktury z dnia 12 kwietnia 2002 r. w sprawie warunków technicznych, jakim powinny odpowiadać budynki i ich usytuowanie (Dz.U.2019.0.1065 t.j.)</p> <p>2. Rozporządzenie Ministra Spraw Wewnętrznych i Administracji z dnia 7 czerwca 2010 r. w sprawie ochrony przeciwpożarowej budynków, innych obiektów budowlanych i terenów (Dz.U.2010.109.719).</p> <p>3. Rozporządzenie Ministra Spraw Wewnętrznych i Administracji z dnia 24 lipca 2009 r. w sprawie przeciwpożarowego zaopatrzenia w wodę oraz dróg pożarowych (Dz.U.2009.124.1030)</p>	
	Supplementary literature	brak	
	eResources addresses	Adresy na platformie eNauczanie: Installations for Architects '23 - Moodle ID: 21600 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=21600	
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 1. Architectural and ecological aspects of designing ventilation and air conditioning systems. 2. Issues of roof drainage, terraces and water retention. 3. Pro-environmental solutions and aspects of installation systems. 4. Installation systems and the comfort of buildings and premises. 		
Work placement	Not applicable		