



## Subject card

Subject name and code	Theory of architectural design II. Elements of ergonomics, PG_00055645						
Field of study	Architecture						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2021/2022		
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	1		Language of instruction		English		
Semester of study	2		ECTS credits		1.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Residential Architecture -> Faculty of Architecture						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. arch. Jacek Krenz				
	Teachers		dr hab. inż. arch. Jacek Krenz				
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						
	Adresy na platformie eNauczenie: Architectural Project Sem. II 2021/2022 - Moodle ID: 17729 <a href="https://enauczenie.pg.edu.pl/moodle/course/view.php?id=17729">https://enauczenie.pg.edu.pl/moodle/course/view.php?id=17729</a>						
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	The aim of the course is to teach the method of creating an architectural form in a style that reflects a given topic drawn in the form of an ideogram. In order to design a proper architectural space, knowledge of technique and anthropometry is necessary. Therefore these issues will be covered in Thursday lectures. It will be useful for designing an optimal and comfortable architectural space.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_K03] is ready to take responsibility for architectural and urban values in environmental protection and cultural heritage	is ready to take into account architectural and urban values in the protection of the environment and cultural heritage	[SK4] Assessment of communication skills, including language correctness
	[K6_W04] knows and understands relations between man and architecture and between architecture and the surrounding environment, and the need to adapt architecture to human needs and scale; problems of physics, technology and functions of buildings to the extent that ensures comfort of use and protection against the effects of weather; methods and means of implementing environmentally responsible sustainable design as well as protection and conservation of the surrounding environment	knows and understands the relations between man and architecture and between architecture and the surrounding environment, and the need to adapt architecture to human needs and scale to the extent that it is possible to ensure the comfort of their use and protection against weather conditions	[SW1] Assessment of factual knowledge
	[K6_W03] knows and understands history and theory of architecture as well as art, technology and humanities to the extent necessary for the proper performance of architectural designs; issues related to architecture and urban planning useful for the design of architectural objects and urban complexes in the context of social, cultural, natural, historical, economic, legal and other non-technical conditions of engineering activities, integrating knowledge acquired during studies;	knows and understands the history and theory of architecture as well as art, technology and humanities to the extent necessary for the proper execution of architectural designs; issues related to architecture and urban planning useful for designing architectural objects	[SW1] Assessment of factual knowledge
Subject contents	<p>Art Ideograms in Architecture Themes.</p> <p>The role of sketches in creating the architectural concepts.</p> <p>Sketchbooks and sketching techniques.</p> <p>Antropometry.</p> <p>Ergonomy.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	understanding the basic issues of lectures	50.0%	100.0%
Recommended reading	Basic literature	<p>Ching D.K. Francis: <i>Architecture - Form, Space and Order</i></p> <p>Krenz J.: <i>Ideogram: From Idea to Architectural Form</i>. Covilha: Universidade da Beira Interior, 2014, ISBN 978-989-654-146-0</p> <p>Ernst Neufert. ARCHITECTS' DATA</p>	

	Supplementary literature	Itten J.: Sztuka barwy. d2d.pl, 2020  Żórawski J.: <i>O budowie formy architektonicznej</i> . Warszawa. Arkady 1973.
	eResources addresses	Architectural Project Sem. II 2021/2022 - Moodle ID: 17729 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=17729">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=17729</a>
Example issues/ example questions/ tasks being completed	Ideograms of Architecture.  Basic dimensions in the design of architectural space	
Work placement	Not applicable	