



Subject card

Subject name and code	, PG_00064576						
Field of study	Spatial Development						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	4	Language of instruction			Polish		
Semester of study	7	ECTS credits			1.0		
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. Natalia Sokół					
	Teachers	dr inż. Natalia Sokół					
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	0.0		0.0		15
Subject objectives	Theoretical familiarization of students with the issues of electric lighting in architecture and urban planning. It consists of lectures aimed at acquainting students with the basics of creating lighting masterplans in architecture and urban planning.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W05] has basic knowledge in the field of city and region development management and implementation of investment projects, and also knows the principles of conducting business related to space management and general principles of creating and developing forms of individual entrepreneurship	has basic knowledge in the field of city and region development management and implementation of investment projects, and also knows the principles of conducting business related to space management and general principles of creating and developing forms of individual entrepreneurship			[SW3] Assessment of knowledge contained in written work and projects		
	[K6_W06] has knowledge of the structures and organizations involved in the space management process, knows the principles and legal basis of their operation and has a basic knowledge of the relationships between structures and social institutions on a local, regional, national and international scale, as well as on intercultural relations	has knowledge of the structures and organizations involved in the space management process, knows the principles and legal basis of their operation and has a basic knowledge of the relationships between structures and social institutions on a local, regional, national and international scale, as well as on intercultural relations			[SW3] Assessment of knowledge contained in written work and projects		
[K6_W08] has a basic knowledge of the role of planner and urban planner, knowledge of intellectual property protection and the application of copyright law, knows the rules in the profession of planner and urban planner	has a basic knowledge of the role of planner and urban planner, knowledge of intellectual property protection and the application of copyright law, knows the rules in the profession of planner and urban planner			[SW1] Assessment of factual knowledge			

Subject contents	<p>Thematic blocks</p> <p>HOW CAN I UNDERSTAND LIGHT IN ARCHITECTURE?</p> <p>During the classes, students will learn the basic terms related to electric lighting. Selected definitions and photometric values as well as methods of describing light in architecture will be presented.</p> <p>HOW TO DESIGN ELECTRIC LIGHTING?</p> <p>Then, modern techniques and principles of designing electric lighting of interiors and illumination of buildings and green areas will be introduced. During the analysis of selected lighting projects, students will learn about various methods of illuminating planes and surfaces with different textures and translucency. They learn about the stages of lighting projects and their correlation with architectural designs. The classes allow you to learn about the possibilities of shaping space with light, with particular emphasis on the reception of the external form, its illumination or the creation of "light architecture".</p> <p>LAMPS</p> <p>During the workshop part of the course, the latest lighting equipment, light sources and principles of shaping photometric solids will be presented.</p>											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="454 871 794 902">Subject passing criteria</th> <th data-bbox="794 871 1141 902">Passing threshold</th> <th data-bbox="1141 871 1482 902">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="454 902 794 934">activity during classes</td> <td data-bbox="794 902 1141 934">65.0%</td> <td data-bbox="1141 902 1482 934">35.0%</td> </tr> <tr> <td data-bbox="454 934 794 965">homework</td> <td data-bbox="794 934 1141 965">65.0%</td> <td data-bbox="1141 934 1482 965">65.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	activity during classes	65.0%	35.0%	homework	65.0%	65.0%
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homework	65.0%	65.0%										
Recommended reading	Basic literature	<ol style="list-style-type: none"> Innes, M. (2012) <i>Lighting for Interior Design</i>, Laurence King Publishing The Society of Light and Lighting (SLL) <i>Lighting Handbook</i> P. Boyce, P. Raynham, (2009), Publisher: CIBSE Żagan W., (2003), <i>Iluminacja obiektów</i>, Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa 										
	Supplementary literature	<ol style="list-style-type: none"> Bartnicka M. (2003), <i>Iluminacja artystyczna w architekturze i urbanistyce. Czynniki i wytyczne kształtowania</i>, praca doktorska pod kierunkiem dr hab. inż. arch. Białkiewicz J. Z., prof. PK, Wydział Architektury Politechniki Krakowskiej. Brandi, U., Geissmar-Brandi Ch. (2001), <i>Lichtbuch Die Praxis der Lichtplanung</i>, Birkhauser Boyce, P. (2003) <i>Human Factors in Lighting</i>, Taylor and Francis Society of Light and Lighting <i>SLL Code for Lighting</i> (2012), Boyce, P., Raynham, P. Publisher: CIBSE Steffy, G. <i>Architectural Lighting Design</i>, (2008), John Wiley & Sons Inc 										
	eResources addresses	Adresy na platformie eNauczanie:										
Example issues/ example questions/ tasks being completed	1. Grażyna Czora mówi o akupunkturze oświetleniowej. Jak można zrozumieć to stwierdzenie w kontekście tworzenie masterplanów oświetleniowych?											
Work placement	Not applicable											