



Subject card

Subject name and code	Elective subject, PG_00056698						
Field of study	Spatial Development						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	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. Piotr Smolnicki					
	Teachers	dr inż. Natalia Sokół dr inż. arch. Piotr Smolnicki					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	30.0	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	0.0		0.0		30
Subject objectives	Lighting masterplans: inventory and analysis of planning and lighting; verbal and graphic conclusions; lighting masterplan concept. Transit-oriented communities (TOCs) - design issues: "transit oriented development" (TOD), Vancouverism, modern European quarter.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U06] properly analyses the causes and the course of the process, and the social, cultural, political, legal and economic problems affecting changes in space, including those resulting from historical circumstances; makes design decisions based on social conditions, respecting the needs of users, the cultural environment	properly analyses the causes and the course of the process; makes design decisions based on social conditions, respecting the needs of users, the cultural environment			[SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_W01] has knowledge related to theoretical and practical issues in the field of spatial management, the basics of planning and urban design and principles of local, regional and national development, and has basic knowledge about contemporary trends of development and revitalization of settlement structures and the life cycle of facilities and systems related to the functioning of settlement units	The student is able to consciously and supported by experience present the effects of his work, i.e. the lighting concept, provide information in a generally understandable way, communicate, make self-assessment and constructive criticism of the effects of other people's work.			[SW3] Assessment of knowledge contained in written work and projects		

Subject contents	<p>ELEMENTS FOR MASTERPLAN:</p> <p>1. TITLE AND SCOPE OF THE PROJECT</p> <p>2. PROJECT OBJECTIVES 3. LOCATION ANALYSIS</p> <p>3. GENERAL LOCATION MAP TECHNICAL DOCUMENTATION, URBAN AND TECHNICAL CONDITIONS - LOCAL DEVELOPMENT CONDITIONS HISTORY AND SOCIAL CONDITIONS DRAWINGS, LOCATION SKETCHES, DOMINANTS, NODE POINTS</p> <p>4. LIGHTING ANALYSIS PLACES, LANDSCAPE DOMINANCES, ARCHITECTURE ELEMENTS TO BE UNDERSTANDING PHOTO DOCUMENTATION: DAY, NIGHT ANALYSIS OF COMMUNICATION ROADS, PLACES IMPORTANT FOR USERS OF A GIVEN SPACE</p> <p>5. ANALYSIS OF AN EXISTING LIGHTING STATION PLAN OF THE EXISTING LIGHTING SITUATION POSITIVE AND NEGATIVE FEATURES OF EXISTING SOLUTIONS, PROPOSALS FOR CHANGES PHOTOGRAPHIC DOCUMENTATION OF EXISTING LUMINAIRES</p> <p>6. SUMMARY OF THE ANALYSIS, DESIGN CONCLUSIONS 7: IDEA CONCEPT LIGHTING LAYERS COLOR OF LIGHT LEVELS OF INTENSITY AND LUMINANCE (according to the normative guidelines) MASTERPLAN CONCEPT EVENT SCENARIOS COST CALCULATIONS (for volunteers) RECOMMENDATIONS FOR THE MAINTENANCE PLAN SOURCE MATERIALS</p>																	
Prerequisites and co-requisites																		
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="453 922 794 949">Subject passing criteria</th> <th data-bbox="799 922 1141 949">Passing threshold</th> <th data-bbox="1145 922 1485 949">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="453 956 794 983">exercises</td> <td data-bbox="799 956 1141 983">50.0%</td> <td data-bbox="1145 956 1485 983">5.0%</td> </tr> <tr> <td data-bbox="453 990 794 1016">homework</td> <td data-bbox="799 990 1141 1016">65.0%</td> <td data-bbox="1145 990 1485 1016">5.0%</td> </tr> <tr> <td data-bbox="453 1023 794 1050">group task- masteplan concept</td> <td data-bbox="799 1023 1141 1050">65.0%</td> <td data-bbox="1145 1023 1485 1050">70.0%</td> </tr> <tr> <td data-bbox="453 1057 794 1084">presentation</td> <td data-bbox="799 1057 1141 1084">65.0%</td> <td data-bbox="1145 1057 1485 1084">20.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	exercises	50.0%	5.0%	homework	65.0%	5.0%	group task- masteplan concept	65.0%	70.0%	presentation	65.0%	20.0%
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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., , Wydział Architektury Politechniki Krakowskiej. Brandi, U., Geissmar-Brandi Ch. (2001), <i>Lichtbuch Die Praxis der Lichtplanung</i>, Birhauser Boyce, P. (2003) <i>Human Factors in Lighting</i>, Taylor and Francis Society of Light and Lighting SLL <i>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: Społeczności nastawione na transport zbiorowy - Moodle ID: 33711 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33711																
Example issues/ example questions/ tasks being completed	Please present the concepts of the lighting masterplan for the analysed area in graphic form - a 50x70 poster or its multi-plication.																	
Work placement	Not applicable																	