



## Subject card

Subject name and code	Elective subject, PG_00056698						
Field of study	Spatial Development						
Date of commencement of studies	October 2023	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	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. 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	<b>Lighting masterplans:</b> inventory and analysis of planning and lighting; verbal and graphic conclusions; lighting masterplan concept. <b>Transit-oriented communities (TOCs)</b> - design issues: "transit oriented development" (TOD), Vancouverism, modern European quarter.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[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		
	[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		

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="456 927 794 947">Subject passing criteria</th> <th data-bbox="799 927 1137 947">Passing threshold</th> <th data-bbox="1142 927 1481 947">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 954 794 974">presentation</td> <td data-bbox="799 954 1137 974">65.0%</td> <td data-bbox="1142 954 1481 974">20.0%</td> </tr> <tr> <td data-bbox="456 981 794 1001">group task- mastepan concept</td> <td data-bbox="799 981 1137 1001">65.0%</td> <td data-bbox="1142 981 1481 1001">70.0%</td> </tr> <tr> <td data-bbox="456 1008 794 1028">homework</td> <td data-bbox="799 1008 1137 1028">65.0%</td> <td data-bbox="1142 1008 1481 1028">5.0%</td> </tr> <tr> <td data-bbox="456 1034 794 1055">exercises</td> <td data-bbox="799 1034 1137 1055">50.0%</td> <td data-bbox="1142 1034 1481 1055">5.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	presentation	65.0%	20.0%	group task- mastepan concept	65.0%	70.0%	homework	65.0%	5.0%	exercises	50.0%	5.0%
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Recommended reading	Basic literature	<ol style="list-style-type: none"> <li>Innes, M. (2012) <i>Lighting for Interior Design</i>, Laurence King Publishing</li> <li>The Society of Light and Lighting (SLL) <i>Lighting Handbook</i> P. Boyce, P. Raynham, (2009), Publisher: CIBSE</li> <li>Żagan W., (2003), <i>Iluminacja obiektów</i>, Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa</li> </ol>																
	Supplementary literature	<ol style="list-style-type: none"> <li>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.</li> <li>Brandi, U., Geissmar-Brandi Ch. (2001), <i>Lichtbuch Die Praxis der Lichtplanung</i>, Birhauser</li> <li>Boyce, P. (2003) <i>Human Factors in Lighting</i>, Taylor and Francis</li> <li>Society of Light and Lighting SLL <i>Code for Lighting</i> (2012), Boyce, P., Raynham, P. Publisher: CIBSE</li> <li>Steffy, G. <i>Architectural Lighting Design</i>, (2008), John Wiley &amp; Sons Inc</li> </ol>																
	eResources addresses	Adresy na platformie eNauczanie:																
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																	