



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	ELEMENTS FOR MASTERPLAN: 1. TITLE AND SCOPE OF THE PROJECT 2. PROJECT OBJECTIVES 3. LOCATION ANALYSIS 3. GENERAL LOCATION MAP TECHNICAL DOCUMENTATION, URBAN AND TECHNICAL CONDITIONS - LOCAL DEVELOPMENT CONDITIONS HISTORY AND SOCIAL CONDITIONS DRAWINGS, LOCATION SKETCHES, DOMINANTS, NODE POINTS 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 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 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		
Prerequisites and co-requisites			
Assessment methods and criteria	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%
Recommended reading	Basic literature	1. Innes, M. (2012) <i>Lighting for Interior Design</i> , Laurence King Publishing 2. The Society of Light and Lighting (SLL) <i>Lighting Handbook</i> P. Boyce, P. Raynham, (2009), Publisher: CIBSE 3. Żagan W., (2003), <i>Iluminacja obiektów</i> , Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa	
	Supplementary literature	1. 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. 2. Brandt, U., Geissmar-Brandt Ch. (2001), <i>Lichtbuch Die Praxis der Lichtplanung</i> , Birkhauser 3. Boyce, P. (2003) <i>Human Factors in Lighting</i> , Taylor and Francis 4. Society of Light and Lighting <i>SLL Code for Lighting</i> (2012),Boyce, P., Raynham, P.Publisher: CIBSE 5. 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		