

<p>FACULTY OF ARCHITECTURE COURSE SYLLABUS Course title in Polish: <i>Zieleń jako element środowiska zabudowanego (aspekty architektoniczne, ekologiczne i społeczne)</i> Course title in English: <i>Greenery as an element of urban environment (architectural ecological and social aspects)</i> Specialization (if applicable): Architektura Profile (if applicable): Level and form of studies: 1st level, full-time Course type: selective Course code Group of courses: NO</p>
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	Lecture	Tutorial	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)					30
Number of hours of total student workload (CNPS)					60
Form of crediting					Crediting with grade
For group of courses mark (X) final course					
Number of ECTS points					3
including number of ECTS points for practical (P) classes					
including number of ECTS points for direct teacher-student contact classes or other people conducting classes (BU)					3

PREREQUISITES RELATED TO KNOWLEDGE, COMPETENCES AND SOCIAL SKILLS

None

COURSE OBJECTIVES

- C1 Acquainting students with contemporary trends in shaping urban green areas in a built environment.
 C2 To familiarize students with the importance of green areas in the built environment (cultural, ecological, compositional)

Learning outcomes

In terms of knowledge:

PEK_W03 the importance of the natural environment in architectural and urban design and in spatial planning

In terms of skills:

PEK_B.U2 recognize the importance of non-technical aspects and effects of an architect's design work, including its impact on the cultural and natural environment

In terms of social competence:

PEK_A.S1. thinking independently to solve simple design problems

PEK_A.S2. take responsibility for shaping the natural environment and cultural landscape, including preservation of the heritage of the region, the country and Europe.

PROGRAMME CONTENT		hours
Form of classes - SEMINAR		
Se1	Introductory classes, explanation of the purpose, scope and requirements for the course and the conditions of its completion, presentation of literature, source materials and legal documents. Methodology overview. Discussing the topics.	2
Se2	Greenery in the residential area (pocket gardens, cultivated gardens, green balconies, walls, courtyards, etc.)	2
Se3	"Accompanying" gardens (school, healing, backyard gardens)	2
Se4	Roof gardens (intensive and extensive), vertical greenery	2
Se5	Urban farming, rain and water retention gardens	2
Se6	Contemporary landscape architects and their most famous projects	2
Se7	Contemporary landscape architects and their most famous projects	2
Se8	Contemporary landscape architects and their most famous projects	2
Se9	Contemporary landscape architects and their most famous projects	2
Se10	Case study assignment	2
Se11	Case study assignment	2
Se12	Case study assignment	2
Se13	Case study assignment	2
Se14	Case study assignment	2
Se15	Summary of the classes	2
	Sum of hours	30

TEACHING TOOLS

- N1– Multimedia presentation
- N2 - Discussion
- N3 - Case studies
- N4- Literature studies
- N5 – Group discussions and presentations with reviews
- N6 - Individual consultations
- N7- Group consultations

ASSESSMENT OF ACHIEVEMENT OF LEARNING OUTCOMES

	Seminar	
Evaluation (F – forming (during semester), C – concluding (at semester end))	Number of learning outcome	Method of assessing the achievement of learning outcome
F2	PEK_W01 PEK_W02 PEK_K01 PEK_U01	Assessment of the substantive value and method of presentation of the selected issue and participation in the discussion
P= 100% F2		

BASIC AND ADDITIONAL LITERATURE

BASIC LITERATURE:

- [1] Benedict, M. A. and McMahon, E. T. (2001). Green Infrastructure. Sprawl Watch Clearinghouse Monograph Series.
- [2] Zachariasz A. (2006), Zieleń jako współczesny czynnik miastotwórczy ze szczególnym uwzględnieniem roli parków publicznych.
- [3] Zachariasz A. (2014), Parki, tereny zieleni i krajobraz w świetle nowych koncepcji kształtowania struktury i formy miasta, [file:///C:/Users/mj/Downloads/ZachariaszA_ParksGreen%20\(1\).pdf](file:///C:/Users/mj/Downloads/ZachariaszA_ParksGreen%20(1).pdf)
- [4] Zielona infrastruktura miasta, red. A. Pancewicz (2014)
- [5] Cvejć R., Eler K., Pintar M., Železnikar Š., Haase D., Kabisch N., Strohbach M., A typology of urban green spaces, ecosystem services provisioning services and demands,
- [6] Zachariasz A. (2012), Parki przyszłości – o różnych koncepcjach kształtowania zieleni w miastach, file:///C:/Users/mj/Downloads/ZachariaszA_ParkiPrzyszlosci.pdf

ADDITIONAL LITERATURE:

- [7] Ahern, J. (2007). Green infrastructure for cities: The spatial dimension. Pp. 267–283. in Cities of the Future Towards Integrated Sustainable Water and Landscape (V. Novotny and P. Brown, eds.). IWA Publishing, London, UK
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- [9] Cameron, R. W. F., Blanusa, T., Taylor, J. E., Salisbury, A., Halstead, A. J., Henricot, B., et al. (2012). The domestic garden - Its contribution to urban green infrastructure. Urban Forestry & Urban Greening VL - 11:129–137
- [10] Carr, S., Francis, M., Rivlin, L. G, and Stone, A. M. (1992). Public Space. Cambridge: Cambridge University Press.
- [11] Chiesura, A. (2004). The role of urban parks for the sustainable city. Landscape and Urban Planning, 68(1), 129–138. doi:10.1016/j.landurbplan.2003.08.003
- [12] Kabisch, N., Qureshi, S., and Haase, D. (2015). Human–environment interactions in urban green spaces — A systematic review of contemporary issues and prospects for future research. Environmental Impact Assessment Review, 50, 25–34. doi:10.1016/j.eiar.2014.08.007
- [13] Kowarik, I., Fischer, L. K., Säumel, I., von der Lippe, M., Weber, F., and Westerman, J. R. (2011). Plants in Urban Settings: From Patterns to Mechanisms and Ecosystem Services. In W. Endlicher (Ed.), Perspectives in Urban Ecology (pp. 135–

- 166). Berlin, Heidelberg: Springer Berlin Heidelberg.
- [14] Kuo, F. E., Bacaicoa, M., and Sullivan, W. C. (1998). Transforming Inner-City Landscapes: Trees, Sense of Safety, and Preference. *Environment and Behavior*, 30(1), 28–59. doi:10.1177/0013916598301002
- [15] Pfoser, N. (2012): Advanced classification of facade greening – Characteristics and differences of soil-bound and facade greening systems, In: *Biotope City – International Journal for City as Nature*, Amsterdam.
- [16] Rupprecht C.D.D., Byrne J.A. (2014). Informal urban green space: A typology and trilingual systematic review of its role for urban residents and trends in the literature. *Urban Forestry & Urban Greening* 13, 597-611.
- [17] Swanwick, C., Dunnett, N., and Woolley, H. (2003). Nature, role and value of green space in towns and cities: an overview. *Built Environment*, 29(2), 94–106.
- [18] Van Leeuwen, E., Nijkamp, P., and de Noronha Vaz, T. (2010). The multi-functional use of urban green space. *International Journal of Agricultural Sustainability*, 8(1-2), 20–25.
- [19] Wooley, H. (2003). *Urban Open Spaces*. London: Taylor and Francis Group.
- [20] EASAC - European Academies Science Advisory Council (2009). policy report 09. London. Available at: <http://link.springer.com/article/10.1007/s10640-010-9418-x> (20th January 2015)
- [21] EEA - European Environment Agency (2010). *Urban Atlas*. Retrieved from <http://www.eea.europa.eu/data-and-maps/data/urban-atlas> EEA - European Environment Agency (2007). CLC2006 technical guidelines (No. 17/2007).
- [22] EEA - European Environment Agency. (n.d.). EUNIS database. <http://eunis.eea.europa.eu>. Elmqvist, T., et al. (eds.) (2013) *Urbanization, Biodiversity and Ecosystem Services: Challenges and Opportunities. A Global Assessment*. [Online] Dordrecht: Springer. Available from: <http://link.springer.com/book/10.1007%2F978-94-007-7088-1> [Accessed 14/01/2015].
- [23] European Union (2013): *Building a Green Infrastructure for Europe*. European Commission. (2004). *Urban audit — methodological handbook*. Luxembourg: Office for Official Publications of the European Communities.

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