Subject description

Faculty of Architecture, WUT 2020, **Architecture** studies

Architecture for Society of Knowledge speciality

URBAN PLANNING FOR SOCIETY OF KNOWLEDGE			MSc level	semester 2
classes: **lecture** **design studio**	hours/semester **15** **45**	Student's own workload hours: **55**	Status: **obligatory** Level: Advanced Group: arch / urb design	ECTS: **5** Exam: **no**

Unit delivering this subject: Katedra Projektowania Architektonicznego

Pracownia Projektowania Architektonicznego Wspomaganego Komputerem

Subject coordinator:

Teacher: dr inż. arch. Małgorzata Hanzl

Learning outcomes and subject delivery methods

Objective of the course:

After completing the course students know and are able to use the rules of urban design in various scales, with special attention to the role of information flows between different groups of stakeholders. They are able to design urban structure taking into account the principles of sustainable development and the needs of a changing climate. They are able to analyse and assess the effects of design solutions and their impact on development processes and the relations between urban centres in the scale of a region as well as the relations taking place in the scale of the city and of the district. They have the capacity to perform an analysis of urban structures proper for the site, with regard to the role of the distinguished elements of the structure in the whole of the urban organism. They are able to design the implementation strategy for the project involving public participation.

General description of the course:

Project for the downtown area, including the redevelopment of deprived post-industrial/housing areas. An analysis of preconditions and external relations in the scale of the region and of the city is required, including an analysis of transportation, demography, citizens' activities, and the natural environment. The project scope includes: an analysis of the current development of the area together with an analysis of its external, relations, an analysis of the morphological structure, an analyses of current and future activities based on redevelopment assumptions, a definition of the project's assumptions as a result of the SWOT analysis, a redevelopment concept of the spatial structure and its outside relations, and a record of design in the form of a local urban development plan (a drawing of the plan and excerpts from the resolution of the City Council). A proposal for the scenario of the project implementation, including public participation in the planning process is required, which should cover the whole area or the chosen pieces, depending on the design concept.

The lecture complements the project, explaining issues concerning conducting and planning the project implementation process, assuming the participation of current and future users of the given area, with the emphasis on the forms of the information flows and the possible use of IT in the process.

Learning outcomes:

No. of the outcome/ area	Description	Reference to the area's outcome	Reference to the programme outcome
Knowledge			
W_01	Student presents specific theoretical background covering urban planning in the downtown e areas of a city, including areas which require rehabilitation.	T2A_W04+++	2K_W01 2K_W04 2K_W05
W_02	Student presents knowledge about conducting the planning process involving public participation.	T2A_W08	2K_W08
W_03	Student presents knowledge about methods of IT communication with regard to public participation in urban planning.	T2A_W05	2K_W07 2K_W09
Skills			
U_01	Student communicates project ideas and analyses in an attractive and effective way.	T2A_U07	2K_U06
U_02	Student analyses and models current and future processes proper for the given area and in the scale of the city and of the region.	T2A_U08	2K_U06
U_03	Student proposes a strategy of implementation for a proposed concept for the engagement of the public in the planning process.	T2A_U17	2K_U09
U_04	Student prepares a local urban development plan in compliance with legal requirements.	T2A_U19	2K_U14 2K_U15 2K_U16
Social competences			
KS_01	Student cooperates and works in a group, fulfilling different roles.	T2A_K03	2K_K03
KS_02	Student acts and thinks in a creative way.	T2A_K06	2K_K05

Learning contents:
Lecture: Theory of communicative planning and communicative rationality. Classification of public participation. Analysis of a conflict situation. Case study: Building the participating environment. Planning as an information process. INSPIRE Directive. The source of information as a node of network communication. Assembling of data concerning a site as a process of education and building of public confidence. The use of IT for building a base of knowledge involving public participation. Methods and techniques of participation – elements of social communication. Case study: methods of communication. Typology of network participation. The possibilities and limitations concerning the use of digital communication in the planning process. Communication in urban planning – text and drawings, drawings of analyses, and presentations as the supplementary technique. Different planning records, i.e.: zoning, forms-based codes, regulating plans. Workshops as a method of participation, i.e.: pattern language, Planning for Real, and charrettes. Discussion panel – workshops about the need for prioritizing. The possibility of organising workshops via remote systems and with the use of Augmented Reality. Legal regulations concerning public participation in urban planning - a comparative approach. Methods of public participation in the urban planning process. An analysis of methods: process course and techniques. Examples of scenarios for different planning applications./ Analysis of methods of creation of successful public realm.

Project for the downtown area, including the redevelopment of deprived post-industrial/housing areas: An analysis of preconditions and external relations in the scale of the region and of the city covering the following fields: transportation, demography, citizens' activity (based on GUS data) and environmental conditions. An analysis of the current development refent of the area – urban inventory. An analysis of the external relations of the given area. An analysis of the morphological structure,

including the historical conditions of the site development and characteristics of built-up areas, and open spaces: streets and squares. An analysis of the current functioning of an area, including transportation, sociometric layout, social settings, property structure, environmental conditions, etc. A definition of the project assumptions as a result of the SWOT analysis. Models of the future functioning of the area and a redevelopment concept of the spatial structure and its outside relations. A record of the design in the form of a local urban development plan (drawing of the plan and excerpts from the City Council's resolution). A proposal for the scenario of the project implementation, including public participation in the planning process is required, which should cover the whole area or the chosen pieces, depending on the design concept.

Teaching methods and forms :
Compulsory lecture, partly realized with the use of an e-learning platform, cycle of 14 weeks
The e-learning platform, acting simultaneously as a depository of course content and the communication tool.
Project carried out in the form of workshops or project consultations in groups. Public presentation and discussion of progress at each stage of project development: an analysis of the external relations, an analysis of the internal preconditions of the area, a review of the design proposals, a review of the implementation strategy proposal, a public presentation, and a final evaluation. Study trips.

Method of testing the learning outcomes

Outcome Number	Way of testing
Knowledge	
W_01	Project: analytical part and design concept
W_02	Lectures – final colloquium, project – part concerning strategy of the planning process conducted
W_03	Lectures – final colloquium, project – part concerning strategy of the planning process conducted
Skills	
U_01	Project – a way of presentation, public presentations during the semester
U_02	Project – analytical part, SWOT analysis
U_03	Project – part concerning strategy of the planning process conducted
U_04	Project – drawing and excerpts of the local urban development plan regulations
Social competences	
KS_01	Project – group work, assessment based on the tutor's observation of the workshop work
KS_02	Project – design concept, evaluation of workshop outcomes: design charrettes

Literature
Basic:
- Broadbent G.: Emerging Concepts in Urban Space Design, Taylor and Francis Group, London and New York, 2001
- Carmona M. et al.: Public Places - Urban Spaces: A Guide to Urban Design, Architectural Press 2003
- Farr D.: Sustainable Urbanism, Urban Design with Nature, John Wiley and Sons, Inc., Hoboken New Jersey, 2008
- Gehl J.: Cities for People, Island Press, Washington, Covelo, London, 2010
- Guhathakurta S.: Urban modelling as storytelling: using simulation models as a narrative, Environment and Planning B: Planning and Design 2002, volume 29, s. 895-911
- Healey P: Collaborative Planning: Shaping Places in Fragmented Societies, University of British Columbia 1997
- Innes J.E., Booher D.E.: Public Participation in Planning: New Strategies for the 21st Century, University of California at Berkeley, Institute of Urban and Regional Development, Working Paper 2000-07; źródło: http://www-iurd.ced.berkeley.edu/pub/WP-2000-07.pdf

- Jacobs J.: The Death and Life of Great American Cities, Vintage Books, New York 1992
- Kempf P.: You Are the City: Observation, Organization and Transformation of Urban Settings, Lars Müller Publishers 2010
- Lynch K.: The Image of the City, MIT Press, Cambridge Massachusetts 1960
- Lynch K., Rodwin L. : Theory of Urban Form [w:] Banerjee T., Southworth M. (red.), City Sense and City Design Writings and Projects of Kevin Lynch, The MIT Press, Cambridge Massachusetts, London England, 1991
- Mostafavi M., Doherty G.: Ecological Urbanism, Harvard University, Graduate School of Design, Lars Müller Publishers,
- Sanoff H.: Community Participation Methods in Design and Planning, John Willey and Sons, New York, USA 2000
- Sanoff H.: Three Decades of Design and Community, North Carolina State University, School of Architecture, College of Design 2003
- Steiner F.R., Butler K.: Planning and Urban Design Standards Student Edition, American Planning Association John Wiley and Sons, Inc. 2007
- Wates N.: The Community Planning Handbook, Earthscan Publications Ltd. London 2000
- 'Jak przetworzyć miejsce. Podręcznik kreowania udanych przestrzeni publicznych'. Project for Public Spaces Inc. 2009 http://www.archiwum.ekoszkola.pl/documents/publikacje/jak_przetworzyc_miejsce_wersja_Last.pdf
- http://pps.org
- http://www.urbact.eu
- http://www.communityplanning.net

Complimentary:
- Alexander Ch, Ishikawa S, Silverstei M: Pattern Language, Oxford University Press, New York 1977
- Burdett R., Sudjic D.: The Endless City, The Urban Age Project by the London School of Economics and Deutsche Bank's Alfred Herrhausen Society, Phaidon Press, New York 2010
- Cullen G: The Concise Townscape, Elsevier Architectural Press, Oxford 2008
- Forester J.: The Deliberative Practitioner, Encouraging Participatory Planning Processes, The MIT Press, Cambridge, Massachusetts, London England 1999
- Gottdiener M., Hutchison R.: The New Urban Sociology, Westview Press, Colorado 2006
- Hillier B, Hanson J: The Social Logic of Space, Cambridge University Press, Cambridge 2003
- Lefebvre H.: The Urban Revolution, University of Minnesota Press 2003
- Panerai P., Deapule J.-Ch., Demorgon M.: Analyse urbaine, Édition Paranthèses, Collection Eupalinos, Série Architecture et Urbanisme, Marseille 2009
- Rossi, A.; The Architecture of the City, MIT Press, Cambridge UK, London US, 1984
- Venturi R, Scott Brown D, Izenour S: Learning from Las Vegas - Revised Edition: The Forgotten Symbolism of Architectural Form, The MIT Press, Cambridge, Massachusetts, London England 2001
- Waldheim Ch. Ed.: The Landscape Urbanism Reader, Princeton Architectural Press, New York, 2006
- Tuan, Y.F.; Space and Place The Perspective of Experience; University of Minnesota Press, Minneapolis, London, 2001
- Zardini M., Schivelbusch W. Eds.; Sense of the City: An Alternate Approach to Urbanism, Lars Müller Publishers, Baden Switzerland, 2006