

URBAN PLANNING 2 – SITE PLAN

General information	
<i>Subject</i>	Urban planning 2 – site plan
<i>Faculty</i>	Faculty of Civil Engineering, Architecture and Environmental Engineering
<i>Course of study</i>	Architecture
<i>Profile</i>	General academic
<i>Type of study</i>	II level with the degree of M.Sc. Eng. Arch.
<i>Starting semester</i>	Summer semester

Information about the subject	
<i>Semester</i>	2
<i>Number of ECTS points</i>	5
<i>Subject type</i>	obligatory
<i>Language of instruction</i>	English
<i>Syllabus prepared by</i>	Justyna Kleszcz PhD Eng. Arch.

Type of class					
<i>Course type</i>	<i>Number of classes per semester (full time studies)</i>	<i>Number of classes per week (full time studies)</i>	<i>Number of classes per semester (part time studies)</i>	<i>Number of classes per week (part time studies)</i>	<i>Credit type</i>
Lecture	15	1	-	-	Exam
Project	45	3	-	-	credit with a grade

Subject objective
<p>1. The objective in terms of knowledge is to familiarize students with the problems of local spatial development planning for a selected part of the study of conditions and directions for spatial development in selected areas of Zielona Góra as well as with selected contemporary social urban problems in the context of social, geopolitical, economic, ecological factors in a particular situation, etc.</p> <p>2. The objective in terms of skills is to teach students how to prepare local spatial development plans in accordance with the art of design and applicable regulations and to teach the student how to apply the rules of urban space design in order to reduce social problems arising from the space design culture, as well as the ability to properly diagnose problems already existing and to find solutions to limit their occurrence in the existing space. At the same time, the objective is to make students aware of the negative social consequences of making improper design decisions, not supported by in-depth analysis of problems occurring in a particular space, related to the real activity of space users.</p> <p>3. The objective in terms of personal and social competence is to prepare the student to work in a team and to analyse selected aspects of the functioning of local communities and to identify areas requiring intervention. The objective is also to teach the student to conduct analyses that extend knowledge about a selected aspect of the functioning of local communities, as well as preparing them to present and defend in a team their own design solution for a local spatial development plan.</p>

Initial requirements
<p>Formal: completion of the urban design course during the first or second degree studies at the home university or as part of the courses offered at the course in Architecture at the Faculty of Civil Engineering, Architecture and Environmental Engineering.</p> <p>Informal: General knowledge in the subject of compulsory and optional subjects at the first level of Architecture and the first semester of the second degree in Architecture.</p>

Subject scope

Lecture: Knowledge necessary to design a local spatial development plan, taking into account the requirements of applicable formal and legal documents in terms of distinguishing urban planning in Poland from European solutions illustrated by selected examples from different European countries. New problems, new users of space - man and his disabilities, animals in the city, nature as an architectural material and the objective of architecture. Space available to everyone (disability, social exclusion or cultural diversity, ethnic and religious, ghettoization, gentrification, space for children). Universal design in shaping public spaces, living space, relaxation areas adapted to the needs of the widest possible social groups. The role of social participation in transforming urban structures, building social relations through architectural activities. New city (new ideas, functions, structure) - implementation of the principles of New Urban Planning and its impact on the appearance of modern cities, the idea of Cittaslow, Smart City, eco- village, agro-urban planning, Aging-Friendly City etc. Architecture of Information society - zombie urbanism, hipster urbanism, architecture, generation i-generation, urban radicalism, the role of mobility/flexibility in architecture. Architecture in anthropological terms - basic issues. Spatial aspects of security/crime, the idea of safe space.

Project: a local spatial development plan for a housing estate with a population of approximately 3,000 - 5,000 inhabitants for Zielona Góra.

The scope of analytical studies includes the development of a selected area in the groups analysed in terms of social problems related to the formation and use of space, as well as examining and grasping elements of correctly formed and functioning space in relation to a given aspect:

- identification of urban wasteland in a selected area,
- places for wild and domestic animals,
- accessibility for people with varying degrees and disabilities,
- available playground, accessible city toilets - barriers to disability
- development of urban agriculture,
- building social relations - a meeting place.

Presentation in the form of graphical schemes of proposals for solving selected issues connected with the subject of lectures. External and internal conditions of a local plan resulting from functional and spatial analysis, development of a functional programme and scheme of a selected area, a preliminary concept of location of land functions and a communication network, urban and architectural composition, graphic design of design charts.

Preparing presentations on selected problems illustrated with national and global examples on topics that complement and broaden selected issues discussed during lectures. The presentations are a starting point for the students to undertake a problematic discussion aimed at developing analytical skills to assess the quality of built-up space to diagnose social problems.

Educational methods

Explanation methods: lectures - conventional, problematic, conversational, informative, lectures.

Research methods: exercises - analytical and design method, case studies with discussion and analysis based on presentations, group work - field analyses of real situations in urban space and in architectural objects and complexes based on field studies.

Education results and verification methods

<i>Description</i>	<i>Symbol</i>	<i>Verification method</i>	<i>Type of class</i>
The student has a profound knowledge of social problems of architecture, also outside the Polish language area, concerning the formation of the socio-cultural human environment, taking into account relationships between people and changing architectural and urban space in natural, social and cultural areas	K_W01	<ul style="list-style-type: none">- participation during classes- exam - oral, descriptive, test, etc.- presentation	lecture project

The student has advanced knowledge how to creatively solve aesthetic and landscape problems, functional-utility, construction and installation-technological problems, also how to provide disabled people with comfort and safety in using architectural objects and urban complexes, both contemporary and historical	K_W03	<ul style="list-style-type: none"> – participation during classes – checking during classes – exam - oral, descriptive, test, etc. – project 	lecture project
The student knows and understands planning regulations and technical and construction procedures as well as the economics of design, implementation and use of architectural structures and urban complexes in accordance with spatial order and sustainable development	K_W04	<ul style="list-style-type: none"> – participation during classes – checking during classes – exam - oral, descriptive, test, etc. – project 	lecture project
The students knows the research and design workshop, knows and understands methods of data analysis and synthesis in the field of architecture, monument protection and spatial development, and also knows the principles of their assessment and correct interpretation in architectural, urban and conservation design and in national, regional and local spatial planning	K_W05	<ul style="list-style-type: none"> – participation during classes – checking during classes – exam - oral, descriptive, test, etc. – project 	lecture project
The student has a structured knowledge of the mission and ethics of the architect's profession in project and investment activities in the field of architecture, urban planning and spatial planning	K_W06	<ul style="list-style-type: none"> – participation during classes – checking during classes – exam - oral, descriptive, test, etc. – project 	lecture
The student can carry out profound critical analysis and evaluation of an architectural and urban enterprise in terms of location, utility, construction, aesthetics and socio-cultural background in the context of changing historical conditions	K_U02	<ul style="list-style-type: none"> – participation during classes – checking during classes – exam - oral, descriptive, test, etc. – project 	lecture project
The student can carry out a critical analysis and evaluation of a planning and urban planning project in its construction and timeliness against the background of changing political, planning, legal, investment, economic, socio-cultural, environmental-natural and historical conditions	K_U03	<ul style="list-style-type: none"> – participation during classes – checking during classes – exam - oral, descriptive, test, etc. – project 	lecture project
The student can prepare an architectural and urban design project with a complex functional and spatial layout, construction and technology, for newly designed buildings and complexes as well as in the field of modernization, revitalization of revalorization and humanization of existing contemporary and historical architectural objects and urban complexes	K_U07	<ul style="list-style-type: none"> – participation during classes – checking during classes – exam - oral, descriptive, test, etc. – project 	lecture project
The student can take into account in architectural and urban design extended requirements in the field of physiography, planning of green areas, landscape architecture and protection of natural and cultural environment in the country and in neighbouring countries and in the European Union	K_U11	<ul style="list-style-type: none"> – participation during classes – checking during classes – exam - oral, descriptive, test, etc. – project 	lecture project

The student is aware of the need to constantly improve their professional qualifications and of the possibility of extending them to include academic qualifications also outside the Polish language area and to inspire and create conditions for learning for other people involved in investment, project and research processes	K_K01	– participation during classes – checking during classes – exam - oral, descriptive, test, etc.	lecture
The student is prepared to act independently and creatively in the field of architectural and urban design and work coordination in multi-branch project teams	K_K03	– participation during classes – checking during classes – exam - oral, descriptive, test, etc.	lecture
The student is prepared to acquire professional qualifications required by law in Poland and in the other European Union countries	K_K05	– participation during classes – checking during classes – exam - oral, descriptive, test, etc.	lecture
The student is aware of the social role of architects and urban planners in creating and promoting a healthy urban environment, free from conflicts and threats occurring in the socio-economic and ecological and environmental area of the country and neighbouring countries and the European Union	K_K07	– participation during classes – checking during classes – exam - oral, descriptive, test, etc.	lecture

Requirements to obtain a credit

Separate grades for the lectures and the projects. A credit for the project exercises is required before the student can take the exam. Attendance and active participation in the classes. The final grade for the complete project. A written exam.

Student's work

<i>Student's work</i>	<i>Full time study (h)</i>
Interaction with the teacher (classes; consultations; exam, etc.)	65
Student's individual work (preparation for the classes, test exam; literature research preparation of: written paper, project, presentation, report, speech; etc.)	60
<i>Total</i>	125
<i>ECTS points</i>	<i>Full time study</i>
Work with a teacher	3
Work without a teacher	2
<i>Total</i>	5

Basic literature

1. Law of 27 Arch 2003 on spatial planning and development(Journal of Laws of the Republic of Poland 2003, No. 80, item717) including implementation directives
2. Alexander, Christopher, *A pattern language. Towns - Buildings - Construction.*
3. Botton de Alain, *Architecture of happiness.*
4. Gehl Jan., *Life Between Buildings. Using Public Space.*
5. Gehl Jan, *Cities for People.*
6. Hall Edward, *The Hidden Dimension.*
7. Lynch Kevin, *The Image of the City.*

Complementary literature

1. Aronson Elliot, Wilson Timothy D., Akert Robin M. *Social Psychology.*

2. Magazyn MIASTA kultura - ludzie - przestrzeń, vol. 01-15.
3. Newman Oscar, *Defensible Space*.

Notes

Classroom with equipment for multimedia presentations.