



KARTA OPISU PRZEDMIOTU - SYLABUS

Nazwa przedmiotu

Outdoor classes – urban (two weeks)

Przedmiot

Kierunek studiów

ARCHITECTURE

Studia w zakresie (specjalność)

–

Poziom studiów

first-cycle

Forma studiów

full-time

Rok/semestr

II/4

Profil studiów

general academic

Język oferowanego przedmiotu

Polish/English

Wymagalność

selectable

Liczba godzin

Wykład

0

Laboratoria

0

Inne (np. online)

Ćwiczenia

40

Projekty/seminaria

0

Liczba punktów ECTS

1

Wykładowcy

Odpowiedzialny za przedmiot/wykładowca:

Doctor Habilitated of Architectural Engineering

Robert Ast

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tel. 61 665 32 90

Wydział Architektury

ul. Jacka Rychlewskiego 2 61-131 Poznań

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Odpowiedzialny za przedmiot/wykładowca:

Doctor of Architectural Engineering Krzysztof

Borowski

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Wymagania wstępne

– the student has well-ordered general knowledge, with theoretical foundations, of the key concepts from urban design;

– the student has basic knowledge about the development trends in urban design;

– the student has the basic knowledge necessary for understanding the social, economic, legal, and non-technical conditions of urban design;



- the student knows the basic methods, techniques, tools, and materials used for solving simple urban design tasks;
- the student can obtain information from literature, databases, and properly selected sources, including in English, integrate information, interpret it, and draw conclusions, as well as form and justify opinions;
- the student can identify and formulate the specification of practical urban design tasks;
- the student can design a residential urban complex with residential and service elements;
- the student is aware of and understands the non-technical aspects and outcomes of engineering activity, including its influence on the natural environment and the associated responsibility for the decisions made;
- the student can cooperate and work in a group, taking various roles in it;
- the student correctly identifies and solves dilemmas concerning various spatial situations in the urban planning scale.

Cel przedmiotu

- learning about the conditions and practical problems related to urban processes;
- getting to know the urban design rules for shaping the spatial structure of a city and learning how to use them;
- learning how to make urban analyses for urban design, define the program and spatial assumptions, and create an optimal concept of land development, taking into account the principles of urban composition and of the optimal shaping of a city landscape;
- learning the skills of preparing a model concept of the spatial development of a city in the context of the local conditions;
- learning how to look creatively at the space of a city and how to use innovative solutions in urban planning;
- learning the skill of working in a group on the assigned topic;
- creating a design of a selected fragment of a town, learning about the conditions and problems related to urban and planning processes;
- learning how to make urban analyses for urban complex design, define the program and spatial assumptions, and create an optimal concept of land development, taking into account the principles of urban composition and of the shaping of the city landscape;
- the project pertains to a concept of the land use and development of a selected area in the urban space, as a multifunctional service center with various functional dominant aspects: trade, business, culture, sports, entertainment, science, education, etc. The general concept of the whole is



prepared in the scale of 1:1,000 or 1:2,000 with projections, a visualization which shows the connections with the urban context (the basic board); a detailed concept of the use and arrangement of a selected fragment of public space, in the 1:500 scale (urban implementation), with a visualization, perspective views, and urban detail.

Przedmiotowe efekty uczenia się

Wiedza

A.W2. doing simple tasks in the area of urban design, in particular: small urban units, local spatial management plans – taking into account the local conditions and connections, and prognosticating the processes of the transformation of the settlement structure of cities, towns, and villages;

A.W3. records of local spatial management plans in the scope necessary for architectural design;

A.W4. the principles of universal design, including the design of space and buildings accessible to all users, in particular, to people with disabilities, in architecture, urban planning, and spatial planning, and the principles of ergonomics, including the ergonomic parameters necessary for ensuring the functionality of the designed space and objects for all users, in particular, for people with disabilities.

Umiejętności

A.U2. designing a simple urban complex;

A.U3. creating planning studies concerning spatial development and interpreting them in the scope necessary for designing in the urban and architectural scale;

A.U4. carrying out a critical analysis of the conditions, including a valorization of the site development;

A.U5. thinking and acting in a creative way, making use of the skills necessary for maintaining and broadening the ability to apply artistic concepts in architectural and urban design;

A.U6. integrating information obtained from various sources, interpreting them and analyzing them critically;

A.U7. communicating with the use of various techniques and tools in the professional environment for architectural and urban design;

A.U9. implementing the rules and guidelines of universal design in architecture, urban planning, and spatial planning.

Kompetencje społeczne

A.S1. thinking independently in order to solve simple design problems;

A.S2. taking responsibility for the shaping of the environment and the cultural landscape, including the preservation of the heritage of the region, country, and Europe.



Metody weryfikacji efektów uczenia się i kryteria oceny

Efekty uczenia się przedstawione wyżej weryfikowane są w następujący sposób:

Formative evaluation

1. Partial overviews which verify the progress of the student's work – presentations in the group, a group discussion;
2. overviews during the outdoor classes, a positive grade for which is a condition for passing the subject; the summative evaluation comprises the grade from the final overview, which presents the student's final achievement, and the grades from the partial overviews.

OVERVIEW 1

Closing the analysis stage: analyses in the scales appropriate for the subject matter.

OVERVIEW 2

An overview of the progress of the work on the project concept. Presenting the work progress in the form of drawings and text (a description on the board).

OVERVIEW 3

The final overview of the works presented in the form of drawings and text (a description on the board) and/or defense in groups.

The grading scale: 2.0; 3.0; 3.5; 4.0; 4.5; 5.0

Summative evaluation:

The final-summative evaluation consists of:

A final review during the last class – a design exhibition and the authors' presentation of the chosen design solutions in the group.

The elements having an influence on the grade:

the work must be done in accordance with the abovementioned scope;

the number of absences during the semester cannot exceed 30%;

positive grades must be retrieved for all reviews;

the graphic form of the work must be legible, esthetic, and innovative;

the final grade is a sum of the grades from the reviews, of the value of the content and graphic form of the project, and of the activity during classes.

The grading scale: 2.0; 3.0; 3.5; 4.0; 4.5; 5.0



Obtaining a positive grade for the module depends on the student's achievement of all the education outcomes included in the syllabus.

Treści programowe

Preparing a vision of the spatial development of a city (a fragment of a city, a district), taking into account the future forms of spatial development.

The analytical part:

an analysis of the cartographic materials, a field query documented with photographs,

a critical analysis of the current conditions and directions of spatial development of the city,

a SWOT analysis – conclusions, design guidelines – determining the functional profile of the gmina for the future.

The design part:

individual or team (3–4 people) work on a spatial development design for a fragment of a city (scale: 1:1,000, 1:2,000). The following problems should be taken into account in the work:

zoning – dividing the area into functional zones,

green areas – the spatial layout and intended purpose of the green areas divided into functional zones,

development – the system, spatial layout, and functions of the built-up areas, determining the basic urban indicators, transportation: internal connections,

indicating the elements of spatial development which will serve the purpose of economic activation.

Metody dydaktyczne

1. Field queries, collecting source materials like maps or photographs.
2. e-Learning Moodle (system for supporting the learning process and for distance learning).

Literatura

Podstawowa

1. Adamczewska-Wejchert H., Małe miasta, Warsaw 1986.
2. Czarnecki W. Planowanie miast o osiedli. PWN. Warsaw. 1965.
3. E-script for the subject "Zajęcia terenowe urbanistyczne."

Uzupełniająca

Ast R., Architektura w procesie inwestycyjnym, Poznań 1997.

2. Ast R., Kształtowanie przestrzeni regionów i miast. Wybrane zagadnienia, Poznań 2001.



3. Cichy-Pazder E., Humanistyczne podstawy kompozycji miast, Kraków 1998.
4. Matyjaskiewicz J., Putkowski D., Zarys projektowania przestrzennego, Warsaw 1977.
5. Peters P., Rosner R., Małe zespoły mieszkaniowe, Warsaw 1983.
6. Tołwiński. T., Urbanistyka, volumes 1, 2, 3, Warsaw 1939.

Bilans nakładu pracy przeciętnego studenta

	Hours	ECTS
Total labor input	40	1,0
these classes require direct contact with the instructor.	40	1,0
student's own work (study of literature, preparing for laboratory classes / classes, preparing for tests/exams, making a design) ¹		

¹ Delete as appropriate, or add other actions.