COURSE DESCRIPTION CARD - SYLLABUS

Course name

Urban Practice (2 weeks)

Course

Field of study

ARCHITECTURE

Year/Semester

II/4

Area of study (specialization)

-

Profile of study

general academic

Level of study

First-cycle studies

Course offered in

polish/english

Form of study

full-time

Requirements

elective

Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

0

Tutorials

80

Projects/seminars

0

Number of credit points

4

Lecturers

Responsible for the course/lecturer:

Doctor Habilitated of Architectural Engineering Robert Ast

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Responsible for the course/lecturer:

Doctor of Architectural Engineering Krzysztof Borowski

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Prerequisites

– 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.

Course objective

- 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.

Course-related learning outcomes

Knowledge

Student knows and understands:

A.W2. urban design in the scope of implementation of simple tasks, in particular: small building complexes, local spatial development plans, taking into account local conditions and connections, as well as forecasting transformation processes in the settlement structure of towns and villages;

A.W3. records of local spatial development plans to the extent necessary for architectural design;

A.W4. principles of universal design, including the idea of designing spaces and buildings accessible to all users, in particular for people with disabilities, in architecture, urban planning and spatial planning, and ergonomic principles, including ergonomic parameters necessary to ensure full functionality of the designed space and facilities for all users, especially for people with disabilities

Skills

Student can:

A.U2. design a simple urban complex;

A.U3. prepare planning studies concerning spatial development and interpret them to the extent necessary for designing in an urban and architectural scale;

A.U4. make a critical analysis of the conditions, including the valorization of the land development and building conditions;

A.U5. think and act creatively, using the workshop skills necessary to maintain and expand the ability to implement artistic concepts in architectural and urban design;

A.U6. integrate information obtained from various sources, formulate their interpretation and critical analysis;

A.U7. communicate using various techniques and tools in a professional environment appropriate for architectural and urban design;

A.U9. implement the principles and guidelines of universal design in architecture, urban planning and spatial planning.

Social competences

Student is capable of:

A.S1. independent thinking to solve simple design problems;

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

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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.

Programme content

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.

Teaching methods

1. Field queries, collecting source materials like maps or photographs.

2. e-Learning Moodle (system for supporting the learning process and for distance learning).

Bibliography

Basic

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."

Additional

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. Matyjaszkiewicz 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.

Breakdown of average student's workload

	Hours	ECTS
Total workload	80	4,0
Classes requiring direct contact with the teacher	40	2,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) [1]	40	2,0

[1] delete or add other activities as appropriate