



KARTA OPISU PRZEDMIOTU - SYLABUS

Nazwa przedmiotu

Urban design

Przedmiot

Kierunek studiów

ARCHITECTURE

Studia w zakresie (specjalność)

–

Poziom studiów

first-cycle

Forma studiów

full-time

Rok/semestr

III/6

Profil studiów

general academic

Język oferowanego przedmiotu

Polish/English

Wymagalność

obligatory

Liczba godzin

Wykład

30

Laboratoria

0

Inne (np. online)

Ćwiczenia

30

Projekty/seminaria

0

Liczba punktów ECTS

5

Wykładowcy

Odpowiedzialny za przedmiot/wykładowca:

Doctor Habilitated of Architectural Engineering

Robert Ast

e-mail: robert.ast@put.poznan.pl

Odpowiedzialny za przedmiot/wykładowca:

Doctor Habilitated of Architectural Engineering

Robert Ast

Professor of Archeology Dimitrije Mladenović

Wydział Architektury ul. Jacka Rychlewskiego 2

61-131 Poznań

tel. 61 665 33 05

Wymagania wstępne

– the student has well-ordered general knowledge, with theoretical foundations, of the key concepts from the studied course of study;

- the student has detailed knowledge about selected basic problems of urban planning;
- the student has basic knowledge about the development trends in the field of study encompassed in the studied course of study;
- the student can obtain information from literature, databases, and other properly selected sources, including ones in English or another foreign language considered to be the language of international



communication for the studied course of study; the student can integrate the obtain information, interpret it, draw conclusions, and form and justify opinions;

- the student can use the information and communication techniques appropriate for performing tasks typical for engineering activity;
- the student can critically analyze the functioning of and analyze – especially in connection with urban planning – the existing technical solutions, in particular, the devices, objects, systems, and services;
- the student understands the need for lifelong learning, the student can inspire and organize other people's learning processes, the student realizes the significance and understands the non-technical aspects and results of engineering activity, including its influence on the environment and the associated responsibility for the decisions made;
- the student can cooperate and work in a group, taking various roles in it.

Cel przedmiotu

Broadening the knowledge about urban planning, discussing problems of urban composition in the zoom methodology: region, city, district, quarter, block, urban sub-block, plots. Reviewing the problems of re-urbanization and humanization of space in the context of contemporary transformations. Discussing the development of European cities and the role of urban competitions in the shaping of cities.

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;

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:

LECTURE:

A written form of getting credit for the lecture. A detailed written study (Polish: elaborat) about a selected city or housing estate, in the A4 size (figures, notes, bibliography). Obtaining a positive grade for the module depends on the student's achievement of all the education outcomes included in the syllabus.

LABORATORY CLASSES:

Reviews of the works done during the semester presentations in the group, a group discussion. The condition for passing the course is obtaining positive grades for all the reviews.

REVIEW NO. 1 Closing the analysis stage. A report about a place, in the form of a booklet, and all analyses in scales appropriate for the subject matter.

REVIEW NO. 2 Closing the stage of summing up the analyses and valorization. A review of the progress of the works and/or defense in groups. The analyses described above which valorize the studied area, presented in the form of drawings and text (description on a board).

REVIEW NO. 3 A review of the progress of the works and/or defense in groups. A design concept of a center in the scale of 1:1,000 or 1:2,000, presented in the form of drawings and text (description on a board).

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

LECTURE:

– participation in lectures

– a grade for the detailed written study

LABORATORY CLASSES: A final review during the last class – a design exhibition and a presentation of design solutions in the group.



The form of the work to be turned in: boards – A3, A2, and B2, as well as a CD with the design (in the JPG format). In order to receive a positive grade for the subject: – the student must do the design work in accordance with the scope of the study; – the number of absences during the semester cannot exceed 30%; – the student should receive positive grades for all three reviews; – the design work must be presented graphically in a legible, esthetic, and innovative way; – the final grade is the sum of the grades for the reviews, the value of the content, the esthetics of the design, and the student's activity during classes.

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

Treści programowe

City classification with respect to size. Basic assumptions of the city plan. Population balance. Inhabitants' professional structure. Spatial structure of the city. Transportation in the city. Service types. Municipal investments. Main utilities of the city. Types of residential development. Urban planning ratios. Residential development. Workplaces. Green areas, recreation areas, sports areas. Urban planning competitions which change European cities – examples. Reviewing selected urban designs. Global achievements of the urban planning thought. The design made during the classes should represent a holistic approach to the problems of urban design and constitute a summary of the knowledge and skills gained in the courses from previous semesters.

Metody dydaktyczne

1. A problem session / lecture with a multimedia presentation.
2. Exercise method based on the use of various sources of knowledge, field query, collecting source materials like maps, photographs.
3. e-Learning Moodle (system for supporting the learning process and for distance learning).

Literatura

Podstawowa

1. Ast R. Architektura wybrzeża. Wyd. PP. Poznań 1999.
2. Ast R. Kształtowanie przestrzeni regionów i miast. Wyd. PP. Poznań 2000.
3. Biskupski P.
3. Cichy-Pazder E. Humanistyczne podstawy kompozycji miast. Kraków 1998.
4. Czarnecki W. Planowanie miast i osiedli. Volumes 1–6, Poznań 1960–65.
5. Fikus M. Przestrzeń w zapiskach architekta. Poznań, Kraków 1999.
6. Jastrząb T. Place i rynki jako zagadnienie urbanistyczne. Wydawnictwo Politechniki Poznańskiej, Poznań 2002.



7. Jastrząb T. Przestrzenie publiczne we współczesnej urbanistyce i architekturze. Wydawnictwo Politechniki Poznańskiej, Rozprawa nr 381, Poznań 2004.
8. Krier R. Town spacer. Basel, Berlin, Boston 2003.
9. Lynch K. L'image de la cite. Paris 1969.
10. Tołwiński T. Urbanistyka, volumes 1, 2. Trzaska, Evert, Michalski-Warszawa 1948.
11. Wejchert K. Elementy kompozycji urbanistycznej. Warszawa 1974.
12. Żórawski J. O budowie formy architektonicznej, Warszawa 1973.
13. E-skrypt dla przedmiotu "Zasady kompozycji urbanistycznej."
14. Graczyk R., (2014), Identyfikacyjna rola dominanty architektonicznej w strukturze małego miasta, Wyd. Politechniki Poznańskiej, Poznań
15. Graczyk R., (2017), Rola historyczno-kulturowych układów urbanistycznych w małych miastach Wielkopolski, Wyd. Politechniki Poznańskiej, Poznań
16. Szeszuła W. Formy zapisu koncepcji urbanistycznej na przykładzie projektu Nowe Podolany Arche i Psyche III, edited by Robert Ast, Poznań 2016.
17. Michał Marmur: Over-exploitation of Rhone and reversing environmental changes. In: edited by Robert Ast, Radosław Berek, Arche&Psyche 5, Monograph of lecturers Post-Graduate Studies in Spatial Planning Sp-109 at the Faculty of Architecture of the Poznań University of Technology; Poznań: Wydawnictwo Politechniki Poznańskiej 2019; pp. 103–114
18. Kaźmierczak B., Pazder D., Miejsce dziedzictwa we współczesnym świecie. Koegzystencja sztuki i technologii w przestrzeni publicznej miast, Wydawnictwo Politechniki Krakowskiej, 2015

Uzupełniająca

1. Hall E. Ukryty wymiar. Warszawa 1978

Bilans nakładu pracy przeciętnego studenta

	Hours	ECTS
Total labor input	150	5,0
these classes require direct contact with the instructor.	60	2,0
student's own work (study of literature, preparing for laboratory classes / classes, preparing for tests/exams, making a design) ¹	90	3,0

¹ Delete as appropriate, or add other actions.