



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Regenerative Urbanism 2 [S2Arch2E>UR2]

Course

Field of study
Architecture

Year/Semester
1/2

Area of study (specialization)
–

Profile of study
general academic

Level of study
second-cycle

Course offered in
English

Form of study
full-time

Requirements
compulsory

Number of hours

Lecture
0

Laboratory classes
0

Other
0

Tutorials
0

Projects/seminars
0

Number of credit points

3,00

Coordinators

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Lecturers

Prerequisites

- the student has structured, theoretically based general knowledge covering key issues in the field of urban design and spatial planning, - the student has extensive knowledge necessary to understand the social, economic, legal and non-technical conditions of spatial planning, - the student is able to critically analyze the functioning of and evaluate existing planning solutions on a municipal scale, - is able to cooperate and work in a group, assuming different roles in it, - correctly identifies and resolves dilemmas in the scope of various spatial situations on an architectural and urban scale.

Course objective

The aim of the course is to introduce the issues related to shaping sustainable and high-quality urbanized space, taking into account the development of settlement units, as well as the protection of natural and environmentally valuable complexes. The emphasis is on technical and formal-legal aspects resulting from the amendment of the Spatial Planning and Development Act. The substantive scope includes selected issues in the field of spatial planning, management and development programming. The aim of the classes is to learn the most important content related to the amendment of the Spatial Planning and Development Act, with particular emphasis on general plans of the commune and the digitalization of spatial planning. The main task undertaken during the exercises is to identify development trends and their application in relation to the diagnosed needs and deficits. During the classes, students are tasked with analyzing the conditions and development possibilities of a city or communes of various sizes, in order to develop a model of spatial development of a given settlement unit.

Course-related learning outcomes

Knowledge:

Knows and understands the rules of integrated spatial planning and spatial policy tools;

Knows and understands advanced analysis methods, tools, techniques and materials necessary to prepare design concepts in an interdisciplinary environment, with particular emphasis on inter-industry cooperation;

Knows and understands advanced theory of architecture and urban planning useful for formulating and solving complex tasks in the field of urban design and spatial planning, as well as development trends and current directions in urban design;

Knows and understands the history of urban planning to the extent necessary in urban design and planning work;

Knows and understands the role and importance of the natural environment in urban design and spatial planning and the need to shape spatial order, sustainable development, and the subject of threats to the environment and cultural landscape; Knows and understands issues related to urban design and spatial planning, such as technical infrastructure, communication, natural environment, landscape architecture, economic, legal and social conditions Knows and understands the social, economic, ecological, natural, historical, cultural, legal and other non-technical conditions of engineering activities and recognizes the need to take them into account in urban design, rural design and spatial planning;

Skills:

Is able to prepare planning studies concerning spatial development and interpret them to the extent necessary for designing on an urban scale;

Is able to critically analyze conditions, including the valuation of the state of land development and development;

Is able to formulate conclusions for spatial planning, forecast the processes of transformation of the settlement structure of towns and villages, and predict the social effects of these transformations;

Is able to communicate using various techniques and tools in a professional and interdisciplinary environment to the extent appropriate for urban design and spatial planning;

Is able to formulate new ideas and hypotheses, analyze and test novelties related to engineering problems and research problems in the field of urban design and spatial planning;

Is able to perceive the importance of non-technical aspects and effects of the architect's design activity, including its impact on the cultural and natural environment, and take responsibility for technical decisions made in the environment and for passing on the cultural and natural heritage to future generations; Is able to perceive systemic and non-technical aspects, including environmental, cultural, artistic, economic and legal aspects in the process of urban design and planning with a high degree of complexity;

Is able to use appropriately selected advanced computer simulations, analyses and information technologies supporting urban design, as well as evaluate the obtained results and their usefulness in design and draw constructive conclusions;

Is able to properly apply professional and ethical standards and rules and legal regulations in the field of urban design and spatial planning.

Social competences:

Is capable of 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 assessment: 2 or 3 reviews of the progress of the work and/or defense in front of the group. Partial reviews check the level of advancement of the student's work.

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

Summary assessment:

Positive grades from the reviews are necessary to pass the subject. The final grade is the sum of the grades from the reviews, the substantive and graphic value of the project and activity during classes. Final review in the last class - exhibition of projects and presentation of design solutions in front of the group. Form of submitting the project: depending on the topic - boards in A3, A2 or B2 format in digital and/or printed version. To obtain a positive grade in the subject:

- the project work must be completed in accordance with the above-mentioned scope of work,
- the number of absences during the semester cannot exceed 30%,
- positive grades must be obtained from all required reviews,
- the project work must be graphically developed in a legible, aesthetic and innovative manner.

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

Programme content

- Research and design activities, which consist of a critical analysis of current planning documents, as well as spatial data in order to diagnose a selected territorial unit (city/commune), time allocated for the analytical part 5-6 weeks,
- Development of a model of the functional and spatial structure of the examined unit in the scope adequate to the type of functional area (Urban Functional Areas, Natural Functional Areas, Economic Functional Areas), time allocated for the design part 6-7 weeks,
- Graphic design of boards and text part (booklet) 2-3 weeks.

Course topics

The classes cover issues related to formal, legal and organizational changes in the spatial planning system in Poland. In relation to new legislative conditions, attention is focused particularly on issues related to: planning legislation in the light of the new act, new planning tools and procedures, the role and scope of application of digital techniques in spatial planning, as well as the presentation of good planning and urban practices at the municipal level.

Teaching methods

1. Project based learning method using various sources of knowledge, including geospatial databases.
2. eKursy (a system supporting the teaching process and distance learning)

Bibliography

Basic:

Amistadi, L., Balducci, V., Bradecki, T., Prandi, E., & Schröder, U. (Eds.). (2021). Mapping urban spaces: Designing the European city. Routledge.

Baker-Brown, D. (2024). The re-use atlas: A designer's guide towards a circular economy. Routledge.

Konijnendijk, C. (2024). Urban green spaces: why rethinking is needed. In Rethinking Urban Green Spaces. Edward Elgar Publishing.

Additional:

Plevoets, B., & Van Cleempoel, K. (2019). Adaptive reuse of the built heritage: Concepts and cases of an emerging discipline. Routledge.

Williams, J. (2021). Circular cities: a revolution in urban sustainability. Routledge.

Lehmann, S. (2019). Urban regeneration. A Manifesto for transforming UK Cities in the Age of Climate Change.

Gorgolewski, M. (2017). Resource salvation: the architecture of reuse. John Wiley & Sons.

Lami, I. M. (Ed.). (2020). Abandoned buildings in contemporary cities: Smart conditions for actions (Vol. 168). Cham: Springer.

Breakdown of average student's workload

| | Hours | ECTS |
|--|-------|------|
| Total workload | 75 | 3,00 |
| Classes requiring direct contact with the teacher | 45 | 2,00 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 30 | 1,00 |