

Detailed course description
(SUBJECT CARD)

Course title: **MODULE 1: URBAN REGENERATION**
RAr-A-SSII-I-M1:UR
 MODULE A/1: URBAN REGENERATION - TRANSFORMATION OF URBAN AREAS ;
 MODULE B/1: URBAN REGENERATION - SHAPING OF URBAN AREAS
RAr-A-SSII-I-Mo1:UR

Course code: j.w.

Classification of a course group: A.1. architectural and urban design

Course type: obligatory

Field of study: ARCHITECTURE

Level of study: second-cycle

Profile of study: general academic

Mode of study: full-time programme

Specialty (specialisation):

Year of study: 1

Semester: 1

Teaching modes and teaching hours:
 lectures – 15
 seminar - 5
 project – 90

Language/s of instruction: ENGLISH

Number of ECTS credits (according to the study programme): **8**
 * – leave the appropriate option

1. Course objectives:

To understand the methods and techniques of joining operational urban planning and urban design skills with strategic visioning and formulating urban programs for degraded urban areas (revitalization). Setting objectives and means implementation in the spatial sphere with regard and understanding of social, economic and cultural issues. Mastering skills and gaining the competence to design remodeling and reshaping of urban areas in the process of their revitalization. The course will allow undertaking realistic design issues based on agreements with cities, as well as current urban design competitions.

2. Relation of the field-related learning outcomes to modes of teaching and methods of verification as well as to assessment of student's learning outcomes:

symbol	assumed learning outcomes <i>a student who completed the course:</i>	teaching modes	verification methods and learning outcomes assessment
	Knowledge: a student knows and understands		
E2A_Wo2	detailed issues related to architecture and urban planning in the field of solving complex design problems	lecture	exam
E2A_Wo3	advanced issues related to architecture and urban planning useful for designing architectural objects and urban complexes in the context of social, cultural, natural, historical, economic, legal and other non-technical conditions of engineering activities, integrating knowledge acquired during studies	lecture	exam
E2A_AW2	urban design in the field of developing tasks of varying scale and complexity, in particular: building complexes, local spatial development plans, taking into account local conditions and connections	project	Presentation
E@A_AW5	the principles of universal design, including the idea of designing spaces and buildings available to all users, including people with disabilities	project	Presentation

E2A_AW8	interdisciplinary nature of architectural and urban design and the need to integrate knowledge from other fields, as well as its application in the design process in cooperation with specialists in these fields	lecture	Exam
E2A_Wo6	legal provisions and procedures necessary for the implementation of building projects and the integration of buildings with the overall planning project	Project seminarium	Presentation
E2A_Wo12	principles of professional presentation of architectural and urban concepts	Project seminarium	Presentation
EA2_B.W8	ways of communicating the ideas of architectural, urban and planning projects and their development	seminar	Presentation
Skills: a student can			
E2A_AU2	zaprojektować prosty i złożony zespół urbanistyczny	project	Presentation
E2A_AU10	communicate using various techniques and tools in a professional and interdisciplinary environment in the field appropriate for architectural and urban design and spatial planning	Project seminarium	Presentation
E2A_AU12	estimate the time needed to complete the complex design task	project	observation
E2A_AU13	formulate new ideas and hypotheses, analyze and test novelties related to engineering problems and research problems in the field of architectural and urban design and spatial planning	project	Presentation
Social competences: a student is prepared to			
E2A_So1	undertaking and performing work in a professional manner, including compliance with the principles of professional ethics and taking responsibility for actions taken	project	observation

3. The content of study programme ensuring learning outcomes (*according to the study programme*):

Understanding the methods and techniques of operational urban planning by mastering the ability to formulate urban action programs regarding the transformation of degraded urban areas (revitalization), and in particular to set goals and methods of their implementation in the social, economic and spatial sphere. Mastering skills and gaining competences in designing the regeneration of urban complexes in the process of their revitalization.

4. Description of methods of determination of ECTS credits:

Type of activity	Number of hours / ECTS credits
Number of course hours regardless of a teaching mode	M1:15h MA/1 albo MB/1:90h + S: 5h=95h Total: 110
Lecture	15
Students own work - reading and preparing for exam	15
Students own work on project	95
Students own work on seminar presentation	5
Project	90
Seminar	5
The other**	
Total hours:	M1 suma – 30h MA/1 lub MB/1 + S Total: 225 h
Number of ECTS credits allocated to a course	8

Explanation:

* – student's workload - fill in the types of activities, e.g. *preparation for a course, interpretation of results, making a course report, preparation for an exam, studying sources, making a project, presentation and report, doing written assignment, etc.*

" – the other e.g. *extra course hours*

5. Summary indexes:

lecture

- number of course hours and ECTS credits at the course with a direct participation of academic teachers or other persons running the course and supervising students; 110/8ECTS
- number of course hours and ECTS credits at the course related to the scientific activity conducted at the Silesian University of Technology in a discipline or in disciplines to which a field of study is assigned - in the case of studies with a general academic profile; 110/8ECTS
- number of course hours and ECTS credits at the course developing practical skills- in the case of practical studies;
- number of course hours conducted by academic teachers employed by the Silesian University of Technology as their primary workplace. 15

6. Persons conducting particular modes of courses (name, surname, academic degree or degree in arts, title of professor, business e-mail address):

Michał Stangel, PhD DSc Eng. Arch. Associate Prof.

7. Detailed description of teaching modes:

1) lectures:

- detailed programme's content: Sustainable development and urban development laws. The concept of transformation, revitalization, revaluation, process and program of activities. Land use life cycle. Urban regeneration - goals and tools. Programs of urban activities as commune documents. Structure and implementation of the program. Description of the situation of change (e.g. crisis), delimitation of the transformation area. Program studies and document analysis. Social, economic and spatial sphere of urban activities. Social participation in the construction of the program. Revitalization of public spaces and residential areas. Restructuring (development) of post-industrial, post-military and railroad areas. Revaluation measures as an element of revitalization programs. Value of the urban environment. Methods and criteria of valorisation of urban layouts and landscape. Methods and directions of revalorization of urban elements and layouts as well as landscape Examples of urban regeneration projects.teaching methods, including distance learning:
- teaching methods, including distance learning:
 - lecture with multimedia presentations; pre-recorded lectures; reading assignments; pdf materials given to students via distant learning platform
- form and criteria for semester completion, including retake tests, as well as conditions for admission to the examination: written exam (test)
- course organisation and rules of participation in the course, with an indication whether a student's attendance is obligatory: 1 hour of lecture every week or 2 hours every 2nd week

2) project

- detailed programme's content: performing basic spatial, social, economic analyzes of a city area, developing the assumptions of the urban regeneration program, carrying out a project of revaluation of a selected city area
- form and criteria for semester completion, including retake tests, as well as conditions for admission to the examination: preparing the project; presentation and discussion
- course organisation and rules of participation in the course, with an indication whether a student's attendance is obligatory: project classes every week

3) seminar

- detailed programme's content: performing basic spatial, social, economic analyzes of a city area, developing the assumptions of the urban regeneration program, carrying out a project of revaluation of a selected city area
- form and criteria for semester completion, including retake tests, as well as conditions for admission to the examination: preparing the project; presentation and discussion
- optional excursion - visiting realized regeneration projects and sites

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8. Description of the method for determining the final grade (rules and criteria for evaluation, as well as the final

grade calculation method in the case of a course comprising more than one teaching mode, taking into account all teaching modes and all exam dates and credit tests including retake exams and tests):

The grade of the written exam.

Positive evaluation of the project requires passing: part I of the project carried out in a team, part II of the project made individually, presentation and discussion at the seminar, preparation for classes and activities, attendance

9. Method and procedure for making up for

- student's absence from the course - consultation;
- differences in study programmes for students changing their field of study, changing university or resuming studies at the Silesian University of Technology - reading the assigned literature; analyzing given examples of students work

10. Prerequisites and additional requirements, taking into account the course sequence:

Finished 1st degree study in architecture/urbanism

11. Recommended sources and teaching aids:

- Llewelyn Davies 'Urban design compedium', English Partnerships, London 2003, <http://www.rudi.net/books/4405>
- Stangel, M.: Transformation of Derelict Areas into Mixed-Use Urban Neighbourhoods - Case Studies in the Polish Cities. In: Schrenk, M., Popovich, V., Zeilie, P. [eds.]: Change for stability - lifecycles of cities and regions. Proceedings REAL CORP 2011, Essen 2011 - (PDF at academia.edu)
- Stangel, M.: Urban Design Thinking – Experiences and Challenges of Sustainable Urbanism [in:] Jeleński T., Juchnowicz S., (eds.), Tradition and Heritage in the Contemporary Image of the City, Kraków 2015 - (PDF at academia.edu)
- F. Piaścik, M. Stangel: Campus development and downtown regeneration - perspectives for Katowice - (PDF at academia.edu)
- Krajowe Centrum Wiedzy o Rewitalizacji, <http://www.funduszeuropejskie.gov.pl/strony/o-funduszach/rewitalizacja/>

12. Description of teachers' competences (e.g. publications, professional experience, certificates, trainings etc. related to the programme contents implemented as a part of the course):

Experience in carrying out scientific and research works in the field of urban regeneration / regeneration, practical experience in developing urban regeneration projects and / or regeneration programs,.

13. Other information:

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