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:**

<table>
<thead>
<tr>
<th>symbol</th>
<th>assumed learning outcomes</th>
<th>teaching modes</th>
<th>verification methods and learning outcomes assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>E2A_Wo2</td>
<td>detailed issues related to architecture and urban planning in the field of solving complex design problems</td>
<td>lecture</td>
<td>exam</td>
</tr>
<tr>
<td>E2A_Wo3</td>
<td>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</td>
<td>lecture</td>
<td>exam</td>
</tr>
<tr>
<td>E2A_AW2</td>
<td>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</td>
<td>project</td>
<td>Presentation</td>
</tr>
<tr>
<td>E@A_AW5</td>
<td>the principles of universal design, including the idea of designing spaces and buildings available to all users, including people with disabilities</td>
<td>project</td>
<td>Presentation</td>
</tr>
</tbody>
</table>
### 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**

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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:**

<table>
<thead>
<tr>
<th>Type of activity</th>
<th>Number of hours / ECTS credits</th>
</tr>
</thead>
</table>
| 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.
5. Summary indexes:

- 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:
  - 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

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:
   - F. Piaścik, M. Stangel: Campus development and downtown regeneration - perspectives for Katowice - (PDF at academia.edu)

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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