Erasmus+ Programme
Action 2: KA220-HED - Cooperation partnerships in higher education
Project: GREEN & SUSTAINABLE PUBLIC SPACES IN HISTORIC CITIES - INNOVATIVE TEACHING PROGRAMME
Contract No. 2023-1-PL01-KA220-HED-00015321

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Course Syllabus

Revitalisation of Public Spaces in Historic Cities Based on Sustainable Development Principles

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1. Course Information

- **Title**: Revitalization of Public Spaces in Historic Cities Based on Sustainable Development Principles
- **Code**: ARCH-MOOC
- **Academic Year**: 2025/2026
- **Degree**: Micro-credential, Training Course for bachelor's in Architecture Students and Graduates
- **Branch**: Engineering and Architecture
- **Module**: MOOC on Revitalization of Public Spaces in Historic Cities Based on Sustainable Development Principles
- **Subject**: Revitalization of Public Spaces in Historic Cities
- **Year**: Post-Grade
- **Semester**: 1st or 2nd
- **Type**: Elective
- **ECTS Credits**: 6
- **Language**: English, Italian, Polish, Spanish
- **Mode**: Mixed
    - Face-to-face and online for test version
    - Online self-paced for MOOC version

2. Faculty

- **Lead Professor**: Professor Bogusław Szmygin
    - **Email**: xx
    - **Office Hours**:

3. Prerequisites and/or Recommendations

Studies on Architecture, heritage protection and related disciplines.

4. Brief Description of Contents

- Impact of climate change on historic public spaces.
- Introduction and use of green and blue infrastructures.
- Principles of sustainable and accessible design.
- Use of advanced digital tools for design projects.

5. Competencies

General Competencies

- **GC01**: Ability to analyse and synthesise.
- **GC02**: Organization and planning skills.
- **GC03**: Oral and written communication in the native language.
- **GC04**: Knowledge of a foreign language.
- **GC05**: Computer skills related to the field of study.
- **GC06**: Information management skills.
- **GC07**: Problem-solving skills.
- **GC08**: Decision-making skills.
- **GC09**: Teamwork skills.
- **GC10**: Interdisciplinary teamwork.
- **GC11**: Work in an international context.
- **GC12**: Interpersonal skills.
- **GC13**: Recognition of diversity and multiculturalism.
- **GC14**: Critical thinking.
- **GC15**: Ethical commitment.
- **GC16**: Autonomous learning.
- **GC17**: Adaptation to new situations.
- **GC18**: Creativity.
- **GC19**: Leadership.
- **GC20**: Knowledge of other cultures and customs.

Specific Competencies

- **SC01**: Ability to develop functional programs for sustainable urban spaces.
- **SC02**: Adequate knowledge of general theories of form, composition, and urban and architectural types.
- **SC03**: Ability to conceive, practice, and develop urban projects and urban planning.
- **SC04**: Ability to intervene in and conserve, restore, and rehabilitate built heritage.
- **SC05**: Ability to design and execute urban layouts and projects for urbanization, gardening, and landscape.

- **SC06**: Adequate knowledge of ecology, sustainability, and principles of energy and environmental resource conservation.

6. Learning Outcomes (Objectives)

- Understand the impact of climate change on historic public spaces.
- Develop sustainable solutions through the implementation of green and blue infrastructures.
- Use advanced digital tools for the design and presentation of projects.
- Create and present a short video on a design project focused on climate adaptation of a historic public space.
- Evaluate case studies and apply best practices in design projects.

7. Theoretical and Practical Content Program

Theoretical

1. **Functional Organization of Public Spaces in Historic Cities**
    - Impact of climate change on public spaces.
    - Climate environment analysis techniques.
    - Case studies and good practices from European cities.
2. **Introduction of Green and Blue Infrastructures**
    - Nature-based solutions (NBS).
    - Implementation of green and blue infrastructures in urban environments.
    - Design of sustainable urban landscapes.
3. **Sustainable Equipment of Public Spaces**
    - Use of sustainable and biodegradable materials
    - Design of sustainable equipment solutions.
    - Principles of sustainable development applied to public spaces.
    - Inclusive and accessible design.

Practical

1. **Group Projects**
    - Design and development of public space revitalisation projects.
    - Implementation of green and blue infrastructures in design projects.
    - Group project presentations and evaluations.
2. **Workshops**
    - Practical workshops on urban design and planning.
    - Visits to historical sites to analyse real cases.
    - Practical evaluations and group discussions on projects.
3. **Documentary Video**
    - Creation of a short video documenting the design project.
    - Editing and presentation of the final video.

8. Teaching Methodology

- **TM01**: Lecture/expository lesson.
- **TM02**: Discussion and debate sessions.
- **TM03**: Problem-solving and case study analysis.

- **TM07**: Seminars.
- **TM08**: Simulation exercises.
- **TM09**: Analysis of sources and documents.
- **TM10**: Group work.
- **TM11**: Individual work.

9. Assessment (Evaluation Instruments, Evaluation Criteria and Percentage of the Final Grade)

Regular Assessment on Face-to-face and online version of the CourseRegular Assessment

- **EI-I1: Written Tests**: 20%
  - Essay, short answer, and objective exams.
- **EI-I2: Oral Tests**: 20%
  - Presentation of individual or group work, interviews, and debates.
- **EI-I3: Design Projects**: 40%
  - Design proposals, digital models, and oral presentations.
- **EI-I4: Workshop Participation**: 20%
  - Active participation and teamwork.

Evaluation Criteria:

- Mastery of theoretical and practical contents.
- Quality and clarity in the presentation of work.
- Level of involvement and participation in activities and debates.
- Minimum attendance of 80% to classes and workshops.

Special Assessment on Online self-paced for MOOC version

- **SA-I1: Written Tests**: 40%
  - Multiple-choice test.
- **SA-I2: Design Projects, collaborative assessment**: 30%
  - Design proposals, digital models, and oral presentations.
- **SA-I3: Workshop Participation, collaborative assessment**: 30%
  - Active participation and teamwork.

Evaluation Criteria:

- Mastery of theoretical and practical contents.
- Quality and clarity in the presentation of work.
- Level of involvement and participation in activities and debates.

10. Bibliography

Fundamental Bibliography

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Complementary Bibliography

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This syllabus provides a clear and detailed structure of the course, ensuring that students understand the objectives, contents, and methodologies, promoting a comprehensive and enriching educational experience.

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GREEN – ACTION

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