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

Evaluation and sustainable enhancement of historic public spaces in respect of their identity

(Titolo deciso da noi che puntiamo più sull'identità)

According to Agenda 2030
Goal 13 Climate action
Goal 3 Good health
Goal 4 Quality education
Goal 11 Sustainable Cities and Communities

The New European Bauhaus (NEB) is an EU policy and funding initiative launched by the European Commission in 2021 that fosters sustainable solutions for transforming the built environment and lifestyles under the green transition.

New European Bauhaus,
"The New European Bauhaus (NEB) is an EU policy and funding initiative launched by the European Commission in 2021 that fosters sustainable solutions for transforming the built environment and lifestyles under the green transition.
It is looking for solutions that are not only sustainable, but also inclusive and beautiful, while respecting the diversity of places, traditions, and cultures in Europe and beyond.
The New European Bauhaus works by :

- **engaging people at a grassroots level, focusing on neighbourhoods**
- **providing tools and guidance**
- **offering tailor-made solutions for different communities**
- **incorporating the views of various stakeholders into the process of design and implementation**
- **prioritising people and social inclusion but also the economy to boost competitiveness and EU strategic autonomy**

https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/story-von-der-leyen-commission/european-green-deal_en?prefLang=it#wealth

1. Course Information

- **Title**: Evaluation and sustainable enhancement of historic public spaces in respect of their identity
- **Code**: ARCH-MOOC
- **Academic Year**: 2025/2026
- **Degree**: ELECTIVE COURSE FOR BACHELOR AND MASTER DEGREE
- **Branch**: AUIC – School of Architecture Urban Planning Construction Engineering
- **Module**: MOOC ?????
- **Subject**: Defining the approach in the enhancement of public historic spaces emphasizing their identity in the sustainability field.
- **Year**: Post-Grade
- **Semester**: 1st or 2nd
- **Type**: Elective
- **ECTS Credits**: 4 = 100 hours
  Supervised learning hours total (hh:mm) 40:00
  Self-study hours total (hh:mm) 60:00
- **Language**: English, Italian, Polish, Spanish

- **Mode**: Mixed
  - In presence: theory (lectures) and test
  - Practice: Survey, understanding and assessment tentative by the students in authonomy s
  - Online self-paced for MOOC version

2. Faculty

- **Lead Professor**:
  - **Email**:
  - **Office Hours**:

3. Prerequisites and/or Recommendations: knowledge of contents and design strategies

1. History of architecture;
2. Cultural heritage: definition;
3. Cultural heritage: protection;
4. Survey, understanding of existing and historical spaces and environments;
5. Climate changes and the relations with the existing built and natural environment.

4. Brief Description of Contents

- Definitions of the subject: Cultural Heritage, Old Centers
- Definitions of the cultural context: Sustainability, Identity, Enhancement/Valorisation; Accessibility, Inclusive & Accessible Urban Development.
- Definition of Conservation Project.
- Historical Construction techniques and materials
- Survey and understanding of the built and ancient environment
- The consciousness of the influence of the clime on the construction and on the conceiving of the city throughout the time and in the history.
- Impact of sustainability, accessibility, and climate change on the improvement of

historic public spaces.
- Introduction and use of green and blue infrastructures in olde space: open questions.
- Project for built space.
- Principles of sustainable and accessible design in the respect of the identity of space.
- Use of advanced digital tools for design projects.

5. Competencies

General Competencies

- **GC01**: Ability to analyse and synthesis according to the inputs of the course.
- **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**: Research ability
- **GC07:** Principles of verbal and graphic representation/description of the contents.
- **GC08:** Principle of conservation, restoration and valorisation of historical contexts.

6. 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 consolidate 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.
- **SC07**: Ability to read and understand historical context
- **SC08**: Ability to read and understand historical data
- **SC09**: Ability to make survey, geometrical survey, and the analyses of built environment

7. 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.
- How climate affects the design of public spaces: today.
- How climate has affected the design of public spaces in the past.
- What relationships can there be between the use of materials and ways of building public

spaces and current sustainability needs.

- Strategies and knowledge for the conservation of existing buildings in light of sustainability needs such as accessibility and adaptation to climate conditions.

8. Learning Outcomes

- Report with abstract, introduction, keywords, references, notes (450 pages).
- Boards with drawings.
- Presentation (pdf or ppt) with comments and drawings.
- Identification of the stakeholders involved in this project.

9. Theoretical and Practical Content Program

Theoretical

1. **Functional Organization of Public Spaces in Historic Cities**
    - Impact of climate change on public spaces in history.
    - The understanding of the public space in its historic steps.
    - Public space in the urban context.
    - Impact of climate change on public spaces nowadays.
    - Climate environment analysis techniques.
    - Case studies and good practices from European cities.
    - Criteria of intervention in the respect of the identity of the place and the improvement of its sustainability.

2. **Introduction of Green and Blue Infrastructures**
    - Nature-based solutions (NBS) in historical context.
    - Implementation of green and blue infrastructures in urban historical environments.
    - Design of sustainable urban landscapes.

3. **Sustainable Equipment of Public Spaces**
    - Use of sustainable and biodegradable materials compatible with the exiting materials.
    - Design of sustainable equipment solutions starting from the awareness of the historical meaning of the context.
    - Principles of sustainable development applied to public spaces cnsidering the historicity of the context.
    - Inclusive and accessible design.

Practical

1. **Group Projects**
    - Design and development of public space conservation 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.

10. Teaching Methodology

- **TM01**: Lecture/expository lesson.
- **TM02:** Identification of the case of study or more cases of studies.
- **TM03**: Discussion and debate sessions.
- **TM04**: Problem-solving and case study analysis.
- **TM05**: Seminars.
- **TM07**: Simulation exercises.
- **TM08**: Analysis of sources and documents.
- **TM09**: Group work.
- **TM10**: Individual work.

11. 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%
- Open-ended questions are questions (that cannot be answered with a simple ‘yes’ or ‘no’, and instead require the respondent to elaborate on their points)
- .**SA-I2: Design Projects, collaborative assessment**: 40%
    - Design proposals, digital models, and oral presentations.
- **SA-I3: Workshop Participation, collaborative assessment**: 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.

12. Bibliography

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GREEN – ACTION

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