



ENHANCE SUMMER SCHOOL

Milan 2024

Enhance Alliance

Draft_Program

BRIEF DESCRIPTION

The Summer School SYNERGIC URBAN SYSTEMS is a hybrid summer school (blended intensive program; 4 ECTS). It is organized within the ENHANCE alliance by the following universities: RWTH Aachen, TU Berlin, Politecnico di Milano, NTNU (Norwegian University of Science and Technology, Trondheim), Polytechnic University of Valencia, Warsaw University of Technology, ETH Zurich.

It aims to provide participants with skills necessary to design innovative interdisciplinary approaches to urban systems integration across key sectors, including climate change, health and well-being, social and economic life, urban natural environment, accessibility and connectivity, equality and inclusiveness.

The Summer School will be based on participatory processes in which students develop context-specific and place-based visions and implementation proposals for an urban transformation area in the City of Milan. Processes of transformative urban change will be discussed with representatives of the civil society and economic decision-makers. The Summer School is free of charge. The Blended Intensive Program (Erasmus+) will support students' participation with a grant. ETH Zurich will support ETH Zurich students' participation with a scholarship funded by Movetia.

KEYWORDS

Climate change, Health and well-being, Social life, Economic life, Natural life, Accessibility and connectivity, Equality and inclusiveness

WHEN?

Between May 6th and July 27th 2024

Online phase (Thematic Foundation_Lectures + Critics_52 hours) between May (6th) and June (28th) 2024

The Onsite phase (A Synergic Methodology_Lectures + Critics_48 hours) between July 22nd and July 27th 2024

HOW?

The School is organized around 2 tasks:

TASK1: Thematic SWOT

(ONLINE) with lectures (slots of 2 hours – gross time)

During this phase, thematic lectures will be given to all the students (grouped by 5 to 6), while critics will be organized as well. Students will be grouped by mixing up their expertise and Universities and will work in Task1 with an assigned tutor(s) in one specific Topic.

Enhance Professors (GENERAL LECTURES ON THE ASSIGNED TOPICS)

- CLIMATE CHANGE
- HEALTH AND WELL-BEING
- ECONOMIC LIFE
- SOCIAL LIFE



- NATURAL LIFE
- ACCESSIBILITY AND CONNECTIVITY
- EQUALITY AND INCLUSIVENESS

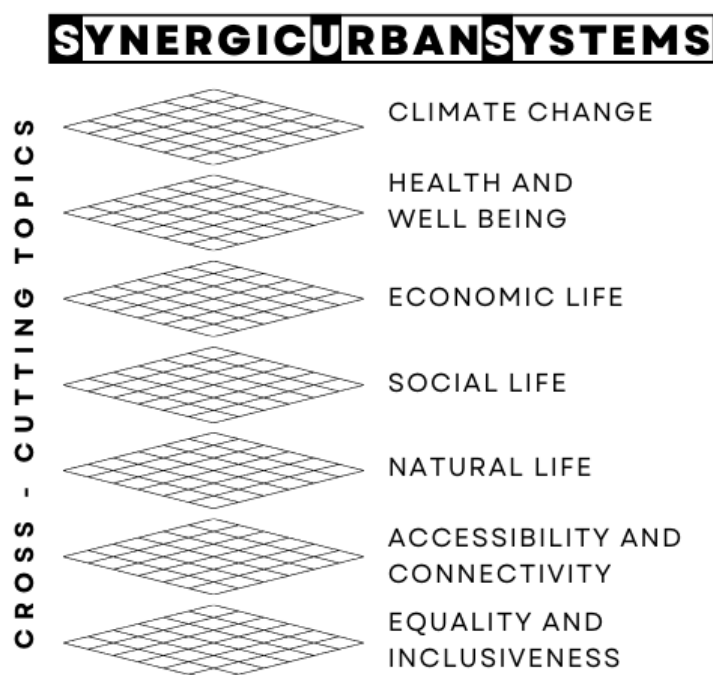
+ CROSSCUTTING LECTURES

+ Invited Guest Lecturers (THE HISTORY, GOVERNANCE AND EVOLUTION OF THE SITE)

TASK2: A synergic methodology

(ONSITE) Workshop activities (8 hours per day)

The Groups will work to integrate their system's features and perspective in a synergic way to critically analyze and implement a long-term Vision for the selected transformation site.



DELIVERABLES?

The School is organized around 2 deliveries:

1st delivery SPATIAL SWOT (at the end of TASK1)

2nd delivery SPATIAL VISION (at the end of TASK2)



MAIN CONTENTS AND LEARNING METHODS

Online PHASE (06.05.2024-28.06.2024)

- **Teaching: Lectures (by online lecturers) + Tutoring of TASK1 (by online mentors)**
- **Teamwork: in thematic TEAMS of students (1 student per each University) working in the same Urban System (Climate change, Health and well-being, Social life, Economic life, Natural life, Accessibility and connectivity, Equality and inclusiveness)**
- **Development of TASK1 by each thematic TEAM: Analysis of the Case Study Area with a special focus on the assigned System**
- **Development of TASK1 by each thematic TEAM: Analysis of the City and the Case Study Area with a special focus on synergies with other Systems**
- **Development of TASK1 by each thematic TEAM: comprehensive SWOT analysis and preliminary holistic methodology to generate Synergies with other Systems (City SWOT+ Case Study Area SWOT + assigned System + Synergies)**

Onsite PHASE (22.07.2024-27.07.2024)

- **Teaching: Tutoring of TASK2 (by onsite tutors) + Lectures (by onsite lecturers)**
- **Teamwork: same teams of students as in the onsite PHASE**
- **Site visit to cross-check on the analyses so far performed and possible new insights to analyse the Case Study Area**
- **Meeting with local administration and stakeholders to fully understand the challenges and opportunities of the Case Study Area**
- **Holistic approach including all Urban Systems explored so far to generate a new Spatial Vision**

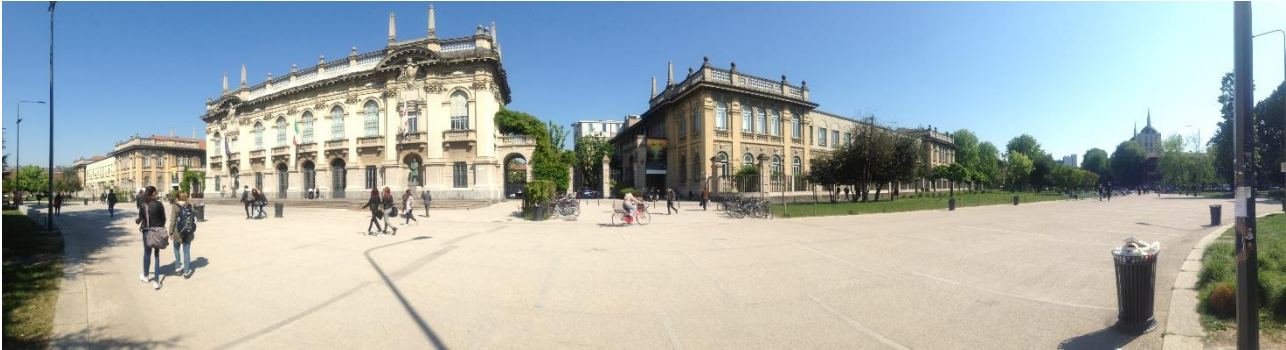
LEARNING OUTCOMES

- **Develop integrative and interdisciplinary knowledge in urban planning and design**
- **Apply planning methodologies to analyze synergies between different urban systems**
- **Identify site-specific urban planning proposals and development strategies by testing and comparing different spatial layouts**
- **Judge participatory processes and stakeholder influence strategies in urban planning**
- **Critically reflect the concepts of urban sustainability and resilience as multidimensional approaches to analyze urban spaces**
- **Develop key soft skills to tackle challenges of urban transformation**



WHERE?

The School will be held by Politecnico di Milano, Leonardo Campus, Milan, Italy (EU)



CREDITS

The six selected participants who successfully complete the course and present their results will be awarded a certificate of participation in the ENHANCE Summer School with 4 ECTS valid as a Workshop.

WHO CAN APPLY

Students enrolled (already attending courses) in one of the following

ETH Zurich

D-BAUG

D-ARCH

D-USYS

ISTP

Norwegian University of Science and Technology (NTNU)

Master's in Urban Ecological Planning

Master's in Physical Planning

Master's in Sustainable Architecture

Master's in Architecture (4th and 5th for the 5-year program, or 1st and 2nd year for the 2-year master program)

Master's in Real Estate and Facilities Management

Master's in Globalisation and Sustainable Development

Master's in Geography

Master's in Civil and Environmental Engineering (4th and 5th year of the 5-year program)

Politecnico di Milano

Architectural Design and History

Architettura e Disegno Urbano - Architecture and Urban Design

Landscape Architecture. Land Landscape Heritage

Sustainable Architecture and Landscape Design - Architettura Sostenibile e Progetto del Paesaggio



Urban Planning and Policy Design - Pianificazione Urbana e Politiche Territoriali

Polytechnic University of Valencia

Bachelor's degree in the Fundamentals of Architecture

Master's degree in Architecture

RWTH Aachen University

Master Architecture

Master Urban Planning

Master Transforming City Regions

Technical University of Berlin

Master's degree in Urban and Regional Planning (SRP)

Master's degree in Master of Urban Design (MUD)

Warsaw University of Technology

Master Degree in Architecture (2-year program in Polish language)

Master Degree in Architecture (3rd-4th year of 6-year program in Polish language)

Bachelor Degree in Architecture (3rd year of 4-year program in English language)

SELECTION CRITERIA

The six students from each university will be selected by a recognizable capacity/experience gained in the subjects of the Summer School

HOW TO APPLY

- a) **LETTER OF MOTIVATION:** Please introduce yourself briefly and explain why you are interested in participating in the Summer School on Synergic Urban Systems (maximum: 300 words)
- b) **PORTFOLIO or DOSSIER:** a short portfolio or dossier displaying or explaining some of the work that you have developed on the topics of the Summer School (projects, essays, activities, etc.) (maximum 10 pages, 10MB)
- c) Each student must Register by March 31st 2024 at ITS OWN UNIVERSITY's link

ETH Zurich

Apply here:

https://docs.google.com/forms/d/e/1FAIpQLSeWBVa4QHnOJ8TKB1KOOB4MIZBBHdEjk8qb6OsttZBLG2g9og/viewform?usp=sf_link

Norwegian University of Science and Technology (NTNU)

Apply here: <https://forms.office.com/e/hYAFjaTpFF?origin=lpLink>



Politecnico di Milano

Apply here: <https://forms.office.com/e/jkVjb4ywmC>

Polytechnic University of Valencia

Apply here: <https://forms.gle/Jvu7vdgmqySTDpSi6>

RWTH Aachen University

Apply here: <https://forms.gle/xaL9mkAdfK1XN6wr6>

Technical University of Berlin

Apply here:

<https://forms.office.com/Pages/ResponsePage.aspx?id=zDa6KmJ6sEqSvT9YAP0PqYPNSLmWOC9IjAvhXmlo6glUNVVZVFZUUDVFQjhDWTJaWVc2WlQwNEFZQS4u>

Warsaw University of Technology

Apply here:

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WARNING

Students who are enrolled in the mobility program Alliance4Tech (or other BIP funding) cannot apply



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