UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Urban Planning I

2627-1-F7603Q025-F7603Q02502

Aims

The objectives of the United Nations 2030 Agenda have placed new focus on the themes of sustainable development and ecological transition, particularly in environments characterised by strong anthropic pressure such as urban areas. To achieve the goal of making cities and human settlements inclusive, safe, durable and sustainable, more and more attention is being paid to the planning strategies, at different scales: from the national, passing through the regional, metropolitan and urban ones.

Territorialization of sustainability strategies and initiatives is in fact pivotal in order to transfer to the local contexts general objectives and guidelines, and making possible the implementation of those policies constituting planning programmes. The course is set in this context with the aim of training students on the main issues concerning the planning of sustainable strategies for territorial systems, focusing in particular the attention on the system of mobility and transport of people and goods, as one of the main polluting segments of human activities, strongly impacting on quality of life and health. Attention is then dedicated to national and local policies for the sustainability of urban and territorial development and of the mobility and transport system, with the aim of training skills in urban and territorial planning.

The students are invited to consult the syllabus of the entire course for details regarding learning- and skill-related objectives.

Contents

• Theories and policies for sustainable territorial planning.
• Strategies for mobility and urban development in a sustainable perspective.
• Sustainable Urban Mobility Plans (SUMPs) as a tool to mitigate environmental impact.
• Mobility Management as a connection between technological and organizational sustainability strategies.

Detailed program

Analysis of the role and structure of the Sustainable Development Strategy and its regional declination
• the case of Lombardy Region;
• the analysis of the Milan Metropolitan City Strategic Plan;
• Milan Municipality PGT (Territorial Government Plan).

The Mobility dimension in territorial planning, as a key domain to address sustainability in cities and regions
• the macro-concepts of sustainable mobility and its main determinants and components;
• SUMPs (Sustainable Urban Mobility Plans), as the main tools to mitigate mobility-driven environmental negative externalities;
• Mobility Management, as a bridging activity between technological and organizational dimensions of sustainable mobility development.

Prerequisites

No prerequisites are required.

Teaching form

2 CFUs of mixed theoretical and interactive lessons in the classroom (20 hours).
• 10 two-hour lectures, in person, Delivered Didactics.

Attendance to lectures and interactive exercises is highly recommended.

Textbook and teaching resource

• Selected parts of: Colleoni, Matteo (2019), Mobilità e trasformazioni urbane. La morfologia della metropoli contemporanee, Franco Angeli, Milan.
• Selected parts of: Pucci P., Colleoni M. (2016), Understanding mobilities for designing contemporary cities. Springer Editor.
• Slides.
• Additional material on selected topics, *i.e.*, reports or planning documents, selected parts of the main national and local plans for sustainable mobility and land use planning, made available on the e-learning website of the course.

Semester

II semester (March - June)

Assessment method

The final exam consists of a brief written elaborate at the end of the course which comprises the discussion of various topics covered in the course, with an emphasis also on the problematization of mobility-related issues in territorial planning and sustainable strategies development.

The final score will be between 18/30 and 30/30 *cum laude*, based on the overall assessment considering the following criteria:
(1) knowledge and understanding;
(2) ability to connect different concepts;
(3) autonomy of analysis and judgment;
(4) ability to correctly use scientific language.

Office hours

Always, after scheduling an appointment *via* phone or e-mail.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | SUSTAINABLE CITIES AND COMMUNITIES