UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Introduction to multisciplinary aspects of sustainability

**2324-102R-10**

## Title

**Introduction to multisciplinary aspects of sustainability**

## Teacher(s)

Emilio Padoa-Schioppa, Matteo Colleoni, Patrizia Steca, Elisabetta Biffi

## Language

English

## Short description

**Objectives**
The aim of the course is to provide a transdisciplinary introduction to the concepts of sustainability.

**Part 1** (Emilio Padoa-Schioppa)
*Concept of sustainability*
The Anthropocene epoch
Scientific approaches to sustainability epoch
Ecosystem services and Ecological footprint evaluation

**Part 2** (Patrizia Steca)
*Sustainability in social sciences*
Promoting sustainability through behavioral interventions

**Part 3** (Elisabetta Biffi)
*Social justice and social inclusion*
Sustainability, social justice and social inclusion
Sustainability and Education: policies, strategies and practices

**Part 4** (Matteo Colleoni)
*The (un)sustainable consequences of current urbanization and transport system*
Main factors related to mobility increase
Impact of human mobility on environment and society
Strategic lines and policies for sustainable mobility
**Conclusions** (all)
Sustainability and research
Short discussion of students (to organize/reading different papers about this theme and presenting some output)

**Target audience**
PhD students with not specific knowledge or skills in sustainability sciences, but that are interested in understanding how a transdisciplinary approach can leverage the change of paradigm needed to match sustainability goals.

**Participants**
Min 10 Max 50

**Notes**
The course style will be process-oriented and interactive. Theoretical inputs will be followed by exercises, partner work, role-plays, case studies and group-work, when appropriate. Each lesson will have focus on specific topic, with hooks with all the others. The language and the level of details will be tailored to the specific needs of the actual audience; in case of lack of basic elements or knowledge, these will be provided either by the lecturer or by providing PhD students with specific documents. During the lessons participants will receive references to the literature needed and vison papers, as well as suggestions of relevant platforms and websites that can be useful.

## CFU / Hours

2 CFU / 16 hrs

## Teaching period

14/12/2023 4.30 pm - 6 pm online
15/12/2023 4.30 pm - 6 pm online
29/01/2024 3 pm - 6 pm online
31/01/2024 10 am -1 pm online
14/02/2024 10 am -1 pm online
26/02/2024 2 pm - 6 pm U7-18

**course registration on “Segreterie online”**: from 20/11/2023 to 06/12/2023

## Sustainable Development Goals

NO POVERTY | ZERO HUNGER | GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY | CLEAN WATER AND SANITATION | AFFORDABLE AND CLEAN ENERGY | DECENT WORK AND ECONOMIC GROWTH | INDUSTRY, INNOVATION AND INFRASTRUCTURE | REDUCED INEQUALITIES | SUSTAINABLE CITIES AND COMMUNITIES | RESPONSIBLE CONSUMPTION AND PRODUCTION | CLIMATE ACTION | LIFE BELOW WATER | LIFE ON LAND | PEACE, JUSTICE AND STRONG INSTITUTIONS | PARTNERSHIPS FOR THE GOALS