



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Introduction to sustainability

2223-DOTT-MOD11

Title

Introduction to 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.

1. Concept of sustainability (1 hour)
2. The Anthropocene epoch (1 hour)
3. Scientific approaches to sustainability (from thermodynamics to ecology) (1 hour)
4. Ecosystem services and Ecological Footprint evaluation (1 hour)
5. Sustainability in social sciences (1 hour)

6. Promoting sustainability through behavioral interventions (1 hour)
7. Social justice and social inclusion (1 hour)
8. Research topics and research opportunities in social sciences (1 hour)
9. "The (un)sustainable consequences of current urbanization and transport system" (2 hours)
10. Sustainability and research (2 hours)
Short discussion of students (to organize/reading different papers about this theme and presenting some output) (4 hours)

Target audience

PhD students with not specific knowledge or skills in sustainability sci-ences, 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 vision papers, as well as suggestions of relevant platforms and websites that can be useful.

CFU / Hours

2 CFU / 16 hrs

Teaching period

07/02/2023 8:30 am -10:30 am U9.12
09/02/2023 8:30 am -10:30 am U9.09
22/02/2023 10:30 am -12:30 pm U9.09
28/02/2023 2:30 pm - 5:30 pm U9.11
08/03/2023 2.30 am - 5.30 pm U4.02
09/03/2023 9.30 am - 1.30 pm U7.17

course registration: from 19/01/2023 to 02/02/2023

Sustainable Development Goals

QUALITY EDUCATION
