



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Introduction to multidisciplinary aspects of sustainability

2425-102R-22

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#### **Titolo**

Introduction to multidisciplinary aspects of sustainability

#### **Docente(i)**

Emilio Padoa-Schioppa, Matteo Colleoni, Patrizia Steca, Andrea Garavaglia

#### **Lingua**

English

#### **Breve descrizione**

##### **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** (Andrea Garavaglia)

*Social justice and social inclusion*

Sustainability, social justice and social inclusion

Sustainability and Education: policies, strategies and practices

**Part 3** (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

**Part 4\*** (Patrizia Steca)

*Sustainability in social sciences*

Promoting sustainability through behavioral interventions

**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 vision papers, as well as suggestions of relevant platforms and websites that can be useful.

**CFU / Ore**

2 CFU / 16 hrs

**Periodo di erogazione**

Lecture 1 (EPS)

3 December (16:30-18:00)

Lecture 2 (EPS)

4 December (16:30-18:00)

Lecture 3 (AG)

10 December (14:00-17:00)

Lecture 4 (MC)

16 december (10:00-13:00)

Lecture 5 (PS)

16 January (11:00-14:00)

Lecture 6 (all)

27 February (14:30-18:30)

## **Sustainable Development Goals**

SCONFIGGERE LA POVERTÀ | SCONFIGGERE LA FAME | SALUTE E BENESSERE | ISTRUZIONE DI QUALITÀ | PARITÀ DI GENERE | ACQUA PULITA E SERVIZI IGIENICO-SANITARI | ENERGIA PULITA E ACCESSIBILE | LAVORO DIGNITOSO E CRESCITA ECONOMICA | IMPRESE, INNOVAZIONE E INFRASTRUTTURE | RIDURRE LE DISUGUAGLIANZE | CITTÀ E COMUNITÀ SOSTENIBILI | CONSUMO E PRODUZIONE RESPONSABILI | LOTTA CONTRO IL CAMBIAMENTO CLIMATICO | VITA SOTT'ACQUA | VITA SULLA TERRA | PACE, GIUSTIZIA E ISTITUZIONI SOLIDE | PARTNERSHIP PER GLI OBIETTIVI

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