

## SYLLABUS DEL CORSO

### **Introduction to multidisciplinary aspects of sustainability**

2526-102R-10

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#### **Titolo**

Introduction to multidisciplinary aspects of sustainability

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

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

#### **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 Galimberti)**

*Social justice and social inclusion*

Sustainability, social justice and social inclusion

Sustainability and Education: policies, strategies and practices

**Part 3 (Matteo Colleoni)**

*Strategies for no-carbon and sustainable infrastructures and mobility in urban environments*

International context of policies against climate change

Decarbonisation of the transport system

Strategies and policies for the decarbonisation of transport

**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)

01 December 2025 (16:00-19:00) U6-11

Lecture 2 (MC)

17 December 2025 (10:00-13:00) U6-30

Lecture 3 (AG)

18 December 2025 (14:00-17:00) U6-39

Lecture 4 (PS)

12 January 2026 (10:00-13:00) U3-08

Lecture 5 (all)  
20 January 2026 (14.00-17.00) U6-30

**course registration on “Segreterie online”:** from 10/11/2025 to 26/11/2025

## **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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