



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Circular economy: innovation and impacts

2223-BbetweenSDG-06-05

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#### Module description

The module defines the circular economy concept, along with the main EU policy packages towards circular economy, as an alternative to a linear economy model characterized by severe environmental impacts. It then focuses on the existing policies and directives and their objectives, which have directed technological change towards environmental and green innovations. In the second part, the module zooms on environmental innovations main socio-economic impacts using firm level data and it proposes selected case studies of circular economy practices.

#### Learning goals

##### General goal

Characterize the circular economy model and understand its main socio-economic implications

##### Specific skills and competences

Understand the main indicators to frame circular economy;  
Compare different countries in such indicators;  
Understand the role and mechanism through which public policies affect innovation;  
Understand and select case studies of circular economy practices and evaluate their socio-economic returns.

## **Sustainable Development Goals of the 2030 UN Agenda**

SDG9: Innovation and Infrastructure

SDG 12: Sustainable Production and Consumption

### **Breakdown of meetings**

Part I focuses on the circular economy concept and its main policies:

- Part I.1 From linear to circular economy: a definition
- Part I.2 Public policies and their role to direct technological change

Part II is mostly applied and it provides evidences and cases on socio-economic impacts of the circular economy:

- Part II.1 Socio-Economic impacts of circular and environmental practices
- Part II.2 Circular Economy: Business models and case studies

### **Number of participants**

No limitation

### **Language used in meetings**

Italian

### **Delivery period of the module**

February-March 2023: 4 pre-recorded lectures available according to the published timeline, and a final online meeting scheduled for 22nd March 12-13 (later recorded and made available)

### **Methods of assessing the outcomes of the learning process**

Evaluation of a short essay (1/2-2 pages) on a self-selected case study of circular economy practices, as detailed during the 22nd March meeting.

The essay should contain:

1. name of the firm/institution
2. Sector
3. Name and type of innovation

4. Critical analysis of the innovation: why is it circular and does it close resource loops (also negative answers are possible and plausible)

To receive the open badge it should be uploaded by 30th May 2023 h.23.59

## **Department of affiliation of the teacher**

Department of Sociology and Social Research

## **Sustainable Development Goals**

INDUSTRY, INNOVATION AND INFRASTRUCTURE | RESPONSIBLE CONSUMPTION AND PRODUCTION

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