



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Critical Raw Materials and Their Environmental Impact

2324-1-124R010

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#### Title

Critical Raw Materials and their Environmental Impact

#### Teacher(s)

Alessandro Cavallo

#### Language

English

#### Short description

Critical raw materials: REE, PGE, Sb, Be, Co, Ga, Ge, In, Li, Mg, Re, Nb, Ta, W, critical industrial minerals (e.g. barite and fluorspar).

Detailed contents:

- 1) Chemistry and mineralogy
- 2) Ore deposits

3) Processing and industrial uses

4) Environmental issues, recycling and replacement

Evaluation: NO

### **CFU / Hours**

2 CFU - 16 Hours (Lecture)

### **Teaching period**

July 2024

### **Sustainable Development Goals**

AFFORDABLE AND CLEAN ENERGY | INDUSTRY, INNOVATION AND INFRASTRUCTURE | RESPONSIBLE  
CONSUMPTION AND PRODUCTION | CLIMATE ACTION

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