UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Critical Raw Materials and Their Environmental Impact

2324-1-124R010

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