UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Gestione Sostenibile del Territorio

2223-1-F7501Q102

Title

Environmental Geology and Territorial Management

Teacher(s)

Prof. Mattia De Amicis
Prof. Samuel Albani
Dott. Alberto Bosino

Language

Italian

Short description

The one-year course consists of three single modules:

- Environmental geology and land management
- Practical exercises in thematic mapping (*named extreme events exercises*).
- Extreme events.

The first module takes into account the analysis of geological resources, their sustainable use, and land resource management tools will be analyzed taking into account the relationship between man and land.
The thematic cartography exercises (called *extreme events* exercises), held in the computer lab, will be aimed at teaching spatial data management (GIS) tools for creating thematic cartography.

The overall goal of the teaching module "Extreme Events" is to provide the cultural bases for understanding the climate drivers of extreme events and their impacts on natural and anthropic systems, as well as possible adaptations, through frontal lessons, and a dedictaed lab.

CFU / Hours

- Environmental geology and land management 48 hours of lessons, 6 CFU
- Practical exercises in thematic mapping (*named extreme events exercises*), 20 hours of lab, 2 CFU
- Extreme events, 24 h. lessons, 3 CFU, 20 hours of lab 1 CFU

Teaching period

first semester

- Environmental geology and land management
- Practical exercises in thematic mapping (*named extreme events exercises*)

second semester

- Extreme events,

Final grade calculated as a weighted average of the grades of the two modules

Sustainable Development Goals

CLEAN WATER AND SANITATION | SUSTAINABLE CITIES AND COMMUNITIES | RESPONSIBLE CONSUMPTION AND PRODUCTION | CLIMATE ACTION | LIFE ON LAND