UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Introduction to geodynamic and landscape evolution numerical modeling

2324-1-124R028

Title

Introduction to geodynamic and landscape evolution numerical modeling

Teacher(s)

Pietro Sternai

Language

English

Short description

The course will focus on the solution of the momentum, continuity, energy, stream power and diffusion equations based on the finite differences approach. The objective is to learn how to develop simple geodynamic and landscape evolution numerical models that can be applied to a wide range of disciplines within the Earth Sciences. Numerical models will be developed using MATLAB or other programming softwares.

Evaluation: YES

CFU / Hours

2 CFU - 20 Hours (8h lecture - 12h laboratory training)

Teaching period

I semester: 22nd, 24th, 26th, 29th January 2024

Sustainable Development Goals