UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Provenance analysis: how to integrate single grain and bulk techniques

2526-1-124R024

Title

Provenance analysis: how to integrate single grain and bulk techniques

Teacher(s)

Sergio Andò ; Alberto Resentini

Language

English

Short description

This course is aimed at the integration of advanced techniques in sedimentary petrography in order to: reconstruct source-to-sink systems; characterize deposits related to extreme events; explore unconventional oil and gas reservoirs; complement single heavy mineral analysis (i.e., geochronological data). Detailed contents include: (i) Sampling techniques; (ii) Laboratory procedures; (iii)Data collection (microscope and Raman); (iv) Data evaluation and interpretation; (v) Data visualization and statistics.

Evaluation: YES

The final exam of the course consists in the preparation of a short text, 1-2 pages, which reports the description of a proposal for a PhD research, chosen among topics shared during the course. In this abstract it is necessary to highlight the novelty of the techniques and the field of application requested for future applications in Provenance Studies of modern or ancient sediments. The report must be submitted to be accepted by the responsible of the course and to obtain the certificate of attendance.

CFU / Hours

2 CFU - 16 Hours (Lecture)

Teaching period

I semester

Sustainable Development Goals

QUALITY EDUCATION | GENDER EQUALITY | INDUSTRY, INNOVATION AND INFRASTRUCTURE | RESPONSIBLE CONSUMPTION AND PRODUCTION