UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Geological Mapping 2

2021-3-E3401Q010

Aims

To prepare students to face geological-structural surveys and cartography in areas characterised by complex structural and lithological settings.

Contents

The course consists of six full days of geological field survey dedicated to the interpretation of lithologies (crystalline basement and/or sedimentary covers) and the analysis of mescoscale structures. The field activity is aimed to the realization of a geologica-structural map and to the reconstruction of the geological history of the study area.. Mapping of Quaternary surface deposits will be also carried out.

Detailed program

The course is aimed at teaching advanced techniques for geological field mapping, with particular reference to geological and structural aspects. Each student will have to map geological units of any type (sedimentary cover, crystalline basement volcanic and surface deposits), affected by complex deformations. Field surveys will preferentially consider selected areas from the Alps or the Apennines, with the possibility also of foreign areas.

Prerequisites

Structural geology, Field geology and mapping, Principles of geology.

Teaching form

Field geological mapping, implementation of presentations and reports based on collected data.

Textbook and teaching resource

Scientific papers, topographic maps, geological maps, etc.

Semester

Summer, between the end of June and the first part of September.

Assessment method

Evaluation of fieldwork, oral presentation, and personal written report. Guidelines are available for the preparation of the final report.

Office hours

All days in office hours or by appointment fixed by email.