



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Campagna Geologica 2

2526-3-E3401Q010

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#### Aims

The aim of the course is to prepare students to face geological surveys and cartography in areas characterised by complex structural settings.

Knowledge and Understanding: learning the fundamentals of the geological-structural survey in geologically complex areas with detailed data collection of stratigraphic and structural features.

Applying Knowledge and Understanding: make a geological-structural map of the study area accompanied with the analysis of data collected in the field.

Making judgements, communication skills, learning skills: verify the robustness of existing geological data in the study area, write illustrative notes of the area communicating the basic geological and structural features in a simple but scientifically correct way.

#### Contents

48 hours of field activities (Campus Abroad) in presence, INTERACTIVE TEACHING (4 CFU)

The course consists of six to eight days of geological field survey, during which small groups of students, together with their teacher, learn the techniques of geological and structural field mapping. This will be done on geological units of the bedrock (cover and basement rocks) characterized by complex deformations. Mapping of surface deposits is 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 and SAFETY IN THE FIELD exams.

## **Teaching form**

Field geological mapping (Interactive Teaching in the field) , implementation of presentations and reports based on collected data. The activities in the field will last 6-8 days (48 hours of effective teaching).

## **Textbook and teaching resource**

Scientific papers, topographic maps, geological maps, etc. All the materials will be provided by the teachers on the base of the selected area for the geological mapping.

## **Semester**

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

## **Assessment method**

OPEN QUESTIONS and PROBLEMS: 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.

## **Sustainable Development Goals**

QUALITY EDUCATION

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