UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Field Geology and Mapping

**2425-2-E3401Q036-E3401Q051M**

## Aims

Recognition of geometry and compositional characters of geological bodies, and their description in the field.

## Contents

Introduction to field geology and mapping.

## Detailed program

Field geology techniques: Description and classification of sedimentary, igneous and metamorphic rocks in the field. Quaternary deposits. Compass and basic stereonet techniques. Plotting contacts on base maps. Stratigraphic polarity in deformed successions. Stratimetric problems. Data collection and making standard geological maps. Stratigraphic logs and geological cross-sections from field data. Preparing geologic reports.
Field work: Two daily field excursions aimed at the recognition and mapping of sedimentary covers and crystalline basements.

## Prerequisites

Having obtained 1 cfu relating to the Safety Course in the field

## Teaching form

20 two-hour lectures, in person, Delivered Didactics
2 six-hour field activities, in person, Interactive Teaching

## Textbook and teaching resource

Notes provided by the lecturers

## Semester

second semester

## Assessment method

There are no *in itinere* tests. For the exam, refer to the syllabus of the course E3401Q036 Field Geology and Mapping.

## Office hours

Website: www.disat.unimib.it in teaching area you can find information about teachers cv, telephone number, University room or other place of work, office hours and e-mail.

## Sustainable Development Goals

QUALITY EDUCATION