



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Geology of Volcanic Areas

2122-1-F7401Q086

Aims

The aim is to provide students with the basic knowledge to realize a field work in volcanic areas

Contents

Summary of volcanology:

Geology of volcanic areas

Geology of volcanic areas for volcanic hazard and geothermal assessment

Field work in volcanic areas

Detailed program

1) Summary of volcanology: volcanoes and their deposits, classification of volcanic eruptions, types of volcanic deposits, geomorphology in volcanic areas, evolution of volcanoes; volcanic successions and their meaning.

2) Geology of volcanic areas: field survey and different methods, stratigraphy, U.B.S.U., regional description and analysis of the genesis and evolution of volcanism in different geodynamic contexts; hazard assessment in a volcanic environment; evaluation of the geothermal potential.

3) Field work in volcanic areas: geological survey exercises and main examples of what was discussed in class.

Prerequisites

Knowledge of stratigraphy, field survey, structural geology and petrography

Teaching form

Lessons in italian, but papers are in english

Textbook and teaching resource

PDF files from my powerpoints

scientific papers

Karoly Nemeth and Ulrike Martin, Practical Volcanology

Probably movies of each lesson

Semester

second semester

Assessment method

Oral discussion on the field work and on the topics introduced during the lessons

Office hours

Usually on Monday, 15.30 to 16.30. Please ask for a confirmation by e-mail
