



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Raman Spectroscopy: A Flexible Tool for an Integrated Research Approach

2425-1-124R006

Title

Raman spectroscopy: a flexible tool for an integrated approach in scientific research

Teacher(s)

Sergio Andò ; Maria Luce Frezzotti ; Alberto Resentini ; Luca Ferrero ; Chiara Urani

Language

English

Short description

- Raman spectroscopy in Earth and planetary Sciences (Sergio Andò) - 1h
- Raman spectroscopy in mineralogy and geochemistry (Sergio Andò) - 2h
- Raman spectroscopy and U-Pb geochronology (Alberto Resentini) - 2h

- Raman analysis of inclusions in minerals (Maria Luce Frezzotti) - 2h
- Raman spectroscopy of carbon (Maria Luce Frezzotti) - 2h
- Raman spectroscopy in Geobiology (Sergio Andò) - 1h
- Luminescence and Raman signals - 1h
- Future applications of Raman spectroscopy (Sergio Andò) -1h
- Raman spectroscopy a new tool for identification of microplastic (Luca Ferrero) - 1h
- Raman spectroscopy in health and environmental studies: (Chiara Urani) - 1h
- Surface-enhances Raman spectroscopy (SERS) - 1h
- Tip-enhanced Raman spectroscopy (TERS) - 1h

Evaluation: NO

CFU / Hours

2 CFU - 16 Hours (Lecture)

Teaching period

II semester

Sustainable Development Goals
