UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

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

2223-94R-SCGA011

Titolo

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

Docente(i)

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

Lingua

English

Breve descrizione

• 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 / Ore

2 CFU - 16 Hours (Lecture)

Periodo di erogazione

II semester