

Syllabus 2022-2023

Teachers (name and affiliation)	Sergio Andò; Maria Luce Frezzotti, Alberto Resentini, Luca Ferrero, Chiara Urani (UNIMIB, Department of Earth and Environmental Sciences)
Title	Raman spectroscopy: a flexible tool for an integrated approach in scientific research
Language	<i>English</i>
CFU	2
Hours	16
Program	<ul style="list-style-type: none"> •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: YES/NO	<i>NO</i>
Calendar	<i>II semester</i>