

TITLE	Introduction to Raman spectroscopy with application to Earth and Environmental sciences.
Lecturer	Nicola Campomenosi
Duration and Credits	16 hours – 4 CFU
Course description	Raman spectroscopy is an easy-to-handle and non-destructive technique with many applications in both Earth and Environmental Sciences. The purpose of this course is to describe the basic principles of the Raman effect and the instrumentation used to detect it. The course also includes practical demonstrations on selected topics with an introduction to the methods of Raman data evaluation using free software available online.
Course organization	Frontal lessons followed by practical demonstrations on selected topics and samples using the Raman spectrometer available at the DISTAV department. Students are invited to bring along their own laptop for the demonstration on data evaluation.
Teaching period	October

CORSO INTERDISCIPLINARE