

UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Scanning probe microscopy: principles, applications in nanosciences and image handling (Intercurricular)

2122-94R-SCGA35

Titolo

Scanning probe microscopy: principles, applications in nanosciences and image handling

Docente(i)

Marcello Campione

Lingua

English

Breve descrizione

The aim of the course is to provide the basic principles of scanning probe microscopy (SPM) and related techniques, a summary of the methods applied in nanosciences, and basic knowledge of image artifact recognition and image handling.

Lecture I: Basic concepts of nano-probe/surface interaction

Lecture II: Signal monitoring in SPM techniques and image reproduction

CFU / Ore

1,5 CFU - 14 Hours (8h lecture - 6h computer practical sessions)

Periodo di erogazione

I semester