

## UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

#### **COURSE SYLLABUS**

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

2223-94R-SCGA010

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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