



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Nanotechnology with Organic Matter: Where have we been? Where are we going?

2122-79R-M4

Title

Nanotechnology with Organic Matter: Where have we been? Where are we going?

Teacher(s)

Prof. G. Julius Vancso, University of Twente, The Netherlands

Language

English

Short description

- What is nanotechnology? How is it linked to energy materials?
- Enabling tools for molecular scale observations, characterization, and manipulation of organic matter at the nanoscale
- Fabrication and characterization of nanostructures top-down and bottom-up
- Biomacromolecular nanotechnology

- Molecular motors for energy conversion at the nanoscale
- Applications in nanocomposites and cellular materials as passive thermal insulators
- Morphology and performance of nanomaterials for energy production
- Nanotechnology in electro- and photocatalysis

CFU / Hours

2 CFU, 16 hours

Teaching period

Course canceled.
