



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Supramolecular chemistry, crystal engineering, and solid-state reactions

2223-116R-M8

Title

Supramolecular Chemistry, Crystal Engineering, and Solid-State Reactions

Teacher(s)

Prof. Leonard MacGillivray, University of Iowa (USA)

Language

English

Short description

The course aims at giving a short introduction to supramolecular chemistry - an area that bridges chemistry, physics, and biology through exploiting noncovalent bonds - as related to organic solids. The course will address in particular the following topics mostly related to crystal engineering and chemical reactions in the solid state.

1. Supramolecular Synthons in Crystal Engineering
2. Chemical Reactions in Crystals

3. Supramolecular Covalent of Covalent Bond Formation in the Solid State
4. Emergence of Mechanochemistry and Pharmaceutical Cocrystals

CFU / Hours

1 CFU / 8 hours

Teaching period**Sustainable Development Goals**

QUALITY EDUCATION
