



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Supramolecular chemistry, crystal engineering, and solid-state reactions

2223-116R-M8

---

#### Titolo

Supramolecular Chemistry, Crystal Engineering, and Solid-State Reactions

#### Docente(i)

Prof. Leonard MacGillivray, University of Iowa (USA)

#### Lingua

English

#### Breve descrizione

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 / Ore**

1 CFU / 8 hours

### **Periodo di erogazione**

### **Sustainable Development Goals**

ISTRUZIONE DI QUALITÀ

---