



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Supramolecular Chemistry, Crystal Engineering, and Solid-State Reactions

2425-116R-M09

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#### Title

Supramolecular Chemistry, Crystal Engineering and Solid-State Reactions.

#### Teacher(s)

Silvia Bracco  
Angiolina Comotti

#### 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. The following topics will be discussed:

1. Supramolecular Synthons in Crystal Engineering
2. Chemical Reactions in Crystals
3. Polymerization in the Solid State
4. Emergence of Mechanochemistry and Industrial Applications.

## **CFU / Hours**

1 CFU/ 8 hours

## **Teaching period**

May and June 2025

## **Sustainable Development Goals**

INDUSTRY, INNOVATION AND INFRASTRUCTURE | RESPONSIBLE CONSUMPTION AND PRODUCTION

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