



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Crystallography and Laboratory of X-ray Powder Diffraction (Curricular - Chemistry)

2021-94R-SCGA13

Titolo

Crystallography and Laboratory of X-ray powder diffraction

Docente(i)

Massimo Moret ; Chiara Ferrara

Lingua

English

Breve descrizione

Program:

- Symmetry in crystals
- Examples of crystalline structures
- Mechanisms Crystal growth

- Diffraction of X-ray by crystals
- Experimental methods in X-ray: from single crystal to powders

Objectives of the program:

To understand the role of symmetry in periodic structures, basics of crystal growth, theory of diffraction in crystals, the use of diffraction to study solids. To make and interpret experiments on powdered polycrystalline samples.

Evaluation: YES - Oral examination

CFU / Ore

2 CFU - 18 Hours (12h lecture - 6h laboratory training)

Periodo di erogazione

I semester
