

Syllabus 2020/21

Teacher (name and affiliation)	Massimo Moret / Chiara Ferrara – (UNIMIB – MATER)
Title	Crystallography and Laboratory of X-ray powder diffraction
Language	English
CFU	2
Hours	18
Program	<p><i>Program:</i></p> <ul style="list-style-type: none"> - <i>Symmetry in crystals</i> - <i>Examples of crystalline structures</i> - <i>Mechanisms Crystal growth</i> - <i>Diffraction of X-ray by crystals</i> - <i>Experimental methods in X-ray: from single crystal to powders</i> <p><i>Objectives of the program:</i></p> <p><i>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.</i></p> <p><i>To make and interpret experiments on powdered polycrystalline samples.</i></p>
Evaluation: YES/NO	YES Oral examination
Calendar	1st semester