

MSE-663

Powder Diffraction School - Modern Synchrotron Methods

Casati Nicola, Various lecturers

Cursus	Sem.	Type
Materials Science and Engineering		Obl.

Language of teaching	English
Credits	2
Session	
Exam	Oral
Workload	60h
Hours	34
Courses	23
Exercises	9
TP	2
Number of positions	40

Frequency

Only this year

Summary

Modern synchrotron-radiation methods not only provide data of exceptional quality, but have allowed previously inaccessible experiments to be performed. The school will give a broad overview of all possibilities using synchrotron radiation, including hands-on practicals.

Content

Please find information on the link below.

Note

Must register with CCMX

Keywords

powder diffraction, x-rays, neutron diffraction

Learning Prerequisites**Important concepts to start the course**

Participants are supposed to be already familiar with both the fundamentals of crystallography and X-ray powder diffraction.

Assessment methods

Oral discussion with tutors, participants will also be asked to present a poster

Resources**Websites**

- <http://ccmx.epfl.ch/powder-diffraction-school/>