MSE-716

Characterization of Materials 2025

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Cursus	Sem.	Type
Materials Science and Engineering		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Written
Workload	30h
Hours	**45**
Courses	12
TP	33
Number of positions	**16**

Frequency

Every 2 years

Remark

Next time: Autumn 2027

Summary

This course introduces materials characterization techniques used by scientists and engineers. Lectures cover basic theory, applications, and limitations, while lab sessions offer hands-on experience, providing a well-rounded understanding of each method.

Content

You will find more details on the following
link: https://www.epfl.ch/research/domains/ccmx/ccmx-legacy/courses-and-events/2025charmat/

Registration link : https://www.epfl.ch/research/domains/ccmx/ccmx-legacy/courses-and-events/regcm25/

Keywords

Characterization methods, microscopy, surface characterization

Learning Prerequisites

Required courses

Participants should be educated in materials science and engineering, physics, mechanical engineering or physical chemistry to benefit the most from this course.

Assessment methods

Written exam

Resources

Websites

- https://www.epfl.ch/research/domains/ccmx/ccmx-legacy/courses-and-events/2025charmat/