

MSE-655

CCMX - ScopeM Advanced Course - Advanced Characterization of Materials at the Micro, Nano and Atomic Scales

Various lecturers

Cursus	Sem.	Type
Materials Science and Engineering		Opt.

Language of teaching	English
Credits	2
Session	
Exam	Written
Workload	60h
Hours	30
Lecture	18
Exercises	12
Number of positions	40

Frequency

Every 2 years

Remark

Next time: 2024

Summary

The course focuses on morphological and analytical structure research methods for materials science using electrons, photons and ions.

Content

Please find information on the link below.

Note

Course taking place at ETH Zurich on Campus Hönningerberg
Anders Meibom (EPFL) also teaches this course

Keywords

Atom Probe; EDX/ EELS; FE-SEM EDX/EBSD; FE-SEM EDX/WDX; SIMS; Mass spectroscopy

Learning Prerequisites

Required courses

Degree in materials science, physics, chemistry

Resources

Websites

- <https://actu.epfl.ch/news/characterization-of-materials-at-the-micro-nano-an/>

Moodle Link

- <https://go.epfl.ch/MSE-655>