MSE-656

CCMX Advanced Course - Instrumented Nanoindentation

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Cursus	Sem.	Type
Materials Science and Engineering		Opt.

Language of teaching	English
Credits	1
Session	
Exam	Written
Workload	30h
Hours	**20**
Courses	14
Exercises	6
Number of positions	**16**

Frequency

Every year

Remark

Next time: August 26 - 28, 2026

Summary

This course is intended for current nanoindentation users who want to gain the experience and knowledge required to extract useful data from challenging sample materials. It is also intended for users of conventional indentation methods who wish to add this approach to their portofolio of methods.

Content

https://www.epfl.ch/research/domains/ccmx/ccmx-legacy/courses-and-events/nanoindentationcourse/?utm_medium=email&utm_source

Keywords

Materals testing, indentation, basic theory and applications, comparison of techniques, industrial standards, coratings

Learning Prerequisites

Required courses

Materials sciences, mechanical properties of materials

Assessment methods

Written exam

Resources

Websites

- https://www.epfl.ch/research/domains/ccmx/ccmx-legacy/courses-and-events/nanoindentationcourse/?utm_medium=email&utm_sou