

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

September 22th - 24th 2021 (the course will be given only if the sanitary situation allows to be in person)

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 portfolio of methods.

Content

Please find information on the link below.

Keywords

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

Learning Prerequisites**Required courses**

Materials sciences, mechanical properties of materials

Resources**Websites**

- https://www.epfl.ch/research/domains/ccmx/courses-and-events/2020nanoindentation/?mc_cid=186eab633f&mc_eid=1f0a525ce4