

MSE-656

**CCMX Advanced Course - Instrumented Nanoindentation**

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| <b>Cursus</b>                     | <b>Sem.</b> | <b>Type</b> |
|-----------------------------------|-------------|-------------|
| Materials Science and Engineering |             | Opt.        |

|                            |           |
|----------------------------|-----------|
| Language of teaching       | English   |
| Credits                    | 1         |
| Session                    |           |
| Exam                       | Written   |
| Workload                   | 30h       |
| <b>Hours</b>               | <b>20</b> |
| Lecture                    | 14        |
| Exercises                  | 6         |
| <b>Number of positions</b> | <b>16</b> |

**Frequency**

Every year

**Remark**

14-16 February, 2024 / EPFL

**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:

<https://www.epfl.ch/research/domains/ccmx/courses-and-events/2023-nanoindentation/>

**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/2023-nanoindentation/>

**Moodle Link**

- <https://go.epfl.ch/MSE-656>