

MICRO-607

Highlights in microtechnology

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Cursus	Sem.	Type
Advanced Manufacturing		Opt.
Microsystems and Microelectronics		Opt.
Photonics		Opt.
Robotics, Control and Intelligent Systems		Opt.

Language of teaching	English
Credits	4
Session	
Exam	Written
Workload	120h
Hours	56
Courses	56
Number of positions	

Frequency

Every year

Remark

June 7th to 18th - Exam 25th, 2021

Summary

This online course offers 10 intensive days of lectures on various topics at the hearth of microtechnology. 5 afternoons are free of lectures to allow revision and exercises.

Content

This online course includes lectures on a wide range of subjects such as: scanning probe fabrication, advanced & additive manufacturing, electro-optical microcircuits, mechanical micro-manufacturing, lasers, micro- and nano-robotics, low-noise image sensors, quantum computing and sensing, biosensors, photonics, etc. Each lecture lasts 4x45min and is given by a specialist of the field.

Learning Prerequisites**Recommended courses**

Master in Microtechnology or a related topic.

Resources**Websites**

- <https://www.epfl.ch/about/campus/neuchatel-en/him-2021/>