

MICRO-607

Highlights in microtechnology

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

Language of teaching	English
Credits	4
Session	
Exam	
Workload	120h
Hours	56
Courses	42
TP	14
Number of positions	40

Frequency

Every year

Remark

Next time: June 2-12, 2020 (exam on June 18) This course will take place ONLINE.

Summary

The course offers 9 intensive days of lectures on various topics at the hearth of microtechnology.

Content

The 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 between 4x45' and 8x45' and is given by a specialist of the field. At the end of the course, a visit to a company will be proposed.

Learning Prerequisites**Recommended courses**

Master in Microtechnology or a related topic.

Resources**Websites**

- <https://www.epfl.ch/about/campus/neuchatel-en/him-2020/>