**Micro-607**

**Highlights in microtechnology**

Giovannini Marcella, Various lecturers

<table>
<thead>
<tr>
<th>Cursus</th>
<th>Sem.</th>
<th>Type</th>
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<td>Manufacturing</td>
<td></td>
<td>Obl.</td>
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<tr>
<td>Microsystèmes et microélectronique</td>
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<tr>
<td>Robotique, contrôle et systèmes intelligents</td>
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**Language**: English  
**Credits**: 4  
**Session**: 4  
**Exam**: 4  
**Workload**: 120h  
**Hours**: 56  
**Lecture**: 42  
**Practical work**: 14  
**Number of positions**: 40

**Frequency**  
Every year

**Remarque**  
Next time: June 2-12, 2020 (exam on June 18)

**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**