**Advanced microwaves for wireless communications**

Skrivervik Anja

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<thead>
<tr>
<th>Cursus</th>
<th>Sem.</th>
<th>Type</th>
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<td>Génie électrique</td>
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<td>Obl.</td>
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**Frequency**
Every 2 years

**Remarque**
Every 2 years. Next time: Spring 2019

**Summary**
This course is intended for doctoral students using microwaves and microwave equipment during their PhD. It starts with a reminder on microwave circuit theory and continues with the main issues linked to microwaves measurement and equipment. The course includes five half days of labs.

**Content**

- A short summary on Microwave Network Analysis
- Microwave measurement techniques
- Terminal antenna design and optimization
- Selected examples

**Keywords**
Microwaves, distributed circuits, filter design, measurement.

**Learning Prerequisites**

**Recommended courses**
Microwaves, Electromagnetism, Antennas.

**Assessment methods**
Term paper and project report.