## Microtechnology (English)

<table>
<thead>
<tr>
<th>Code</th>
<th>Workload</th>
<th>Credits</th>
<th>Semester</th>
<th>Semester Offered</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>180 h</td>
<td>6</td>
<td>5th semester</td>
<td>Every semester</td>
<td>ss: ½ semester / WS: 1 semester ½ semester / WS: 1 semester</td>
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</table>

### 1 Type of Course
- Lecture: 2 h/week
- Seminar: 2 h/week

### 2 Learning Outcomes / Competences
- Fundamental understanding of microtechnological systems
- Fundamental understanding of processes for microstructuring
- Fundamental understanding of processing equipment for microtechnology
- Knowledge of various applications of microtechnology

### 3 Contents
- Physical fundamentals of microtechnology applications
- Production methods in microtechnology
- Applications of microtechnology

### 4 Teaching Methods
Lecture, Seminar

### 5 Content-Related Module Prerequisites
none

### 6 Formal Module Prerequisites
none

### 7 Type of Exams
Graded exam (written or oral) and seminar report

### 8 Prerequisite for the Granting of Credits
Passed exam and seminar report

### 9 This Module Appears in:
<table>
<thead>
<tr>
<th>Course of Studies</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>Elektrotechnik_BPO2014</td>
<td>Elective Module</td>
</tr>
<tr>
<td>Fahrzeugelektronik und Elektromobilität</td>
<td>Elective Module</td>
</tr>
<tr>
<td>Mechatronik_BPO2013</td>
<td>Elective Module</td>
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<tr>
<td>Modules in English at HRW</td>
<td>Elected Specialization</td>
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</table>

**10 Weighting of Grade in Relationship to Final Grade**
Weighting equals the proportion of module credits in relationship to the total number of grade-relevant credits

**11 Additional Information / Literature**
A list of recommended literature will be published every semester