<table>
<thead>
<tr>
<th><strong>Module title</strong></th>
<th><strong>Abbreviation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Technology of Material Synthesis. Lecture, exercises</td>
<td>11-TMS-062-m01</td>
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</tbody>
</table>

**Module coordinator**  
Managing Director of the Institute of Applied Physics

**Module offered by**  
Faculty of Physics and Astronomy

<table>
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<tr>
<th><strong>ECTS</strong></th>
<th><strong>Method of grading</strong></th>
<th><strong>Duration</strong></th>
<th><strong>Module level</strong></th>
<th><strong>Other prerequisites</strong></th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>numerical grade</td>
<td>1 semester</td>
<td>undergraduate</td>
<td>--</td>
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**Contents**

Theoretical and practical principles of semiconductor process technology, dielectrics, metals and oxides. Principles of structuring technology, growth and coating procedures.

**Intended learning outcomes**

The students have knowledge of the theoretical and practical principles of physical technology for material synthesis.

**Courses** (type, number of weekly contact hours, language — if other than German)

V + Ü (no information on SWS (weekly contact hours) and course language available)

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

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**Allocation of places**

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**Additional information**

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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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**Module appears in**  
Bachelor’ degree (1 major) Technology of Functional Materials (2006)