### Module title

**Nanomatrix Semiconductor Processing (Master)**

### Abbreviation

11-NM-HP-MA-072-m01

### Module coordinator

Managing Director of the Institute of Applied Physics

### Module offered by

Faculty of Physics and Astronomy

### ECTS

<table>
<thead>
<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>numerical grade</td>
<td>--</td>
</tr>
<tr>
<td>1 semester</td>
<td>graduate</td>
<td>--</td>
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</tbody>
</table>

### Method of grading

Only after succ. compl. of module(s)

### Contents

Principles and specific knowledge of engineering work in the application fields of energy engineering, electronics, photonics and biophysics as well as in the technology-oriented materials sciences, technologies of nano-structuring, components and system development, especially in the field of semiconductor processes.

### Intended learning outcomes

The students have advanced knowledge of one or more application or technology areas of engineering work, especially in the field of semiconductor processes.

### Courses

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

### Method of assessment

- a) written examination (approx. 90 minutes)
- b) talk (approx. 30 minutes)
- c) oral examination of one candidate each or oral examination in groups (approx. 30 minutes)
- d) project report (approx. 10 pages)

### 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

- Master's degree (1 major) Nanostructure Technology (2010)
- Master's degree (1 major) FOKUS Physics - Nanostructuring Technology (2010)
- Master's degree (1 major) FOKUS Physics - Nanostructuring Technology (2006)