## Nanomatrix Semiconductor Processing (Master)

<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<tr>
<td>Nanomatrix Semiconductor Processing (Master)</td>
<td>11-NM-HP-MA-072-m01</td>
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### Module coordinator
Managing Director of the Institute of Applied Physics

### Module offered by
Faculty of Physics and Astronomy

### ECTS
6

### Method of grading
Numerical grade

### Only after succ. compl. of module(s)
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### Duration
1 semester

### Module level
Graduate

### Other prerequisites
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### 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 nanostructuring, 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

<table>
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<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
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<tr>
<td>V + R</td>
<td>No information on SWS</td>
<td>German</td>
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### Method of assessment

- a) written examination (approx. 90 minutes)
- b) talk (approx. 30 minutes)
- c) oral examination of one candidate
- 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)

### 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)