**Module title**

FOKUS Research Module Type VK8N  

**Abbreviation**

11-FM-VK8N-072-m01

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**Module coordinator**

Chairperson of examination committee

**Module offered by**

Faculty of Physics and Astronomy

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<table>
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<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Other prerequisites</th>
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<td>8</td>
<td>Numerical grade</td>
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**Duration**

1 semester

**Module level**

Graduate

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**Contents**

Specific and advanced knowledge of independent scientific work in a current research area, especially in the field of nanostructure technology, reproduction of knowledge, acquisition of social and methodological competencies. Application of the acquired professional knowledge and methods to new scientific questions in a mini research project (e.g. experiments, case studies etc.).

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**Intended learning outcomes**

The students have special and advanced knowledge of independent scientific work in a current research area, especially in the field of nanostructure technology, and are able to reproduce the acquired knowledge, to apply the acquired methods, to summarise a sub-area of the current research area in an oral presentation and to successfully implement the acquired knowledge and methods in a mini research project.

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**Courses**

<table>
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<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
<th>Details on availability to be announced</th>
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<tbody>
<tr>
<td>FOKUS Einführungsmodul Nanostrukturtechnik</td>
<td>V (2 weekly contact hours) + Ü/P (1 weekly contact hour)</td>
<td>German or English</td>
<td></td>
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<tr>
<td>FOKUS Kompaktseminar Nanostrukturtechnik</td>
<td>S (2 weekly contact hours)</td>
<td>German or English</td>
<td>Block taught seminar (3 days), usually held during semester break</td>
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**Method of assessment**

This module has the following assessment components:

1. Topics covered in lectures and exercises: written examination (approx. 90 minutes) or talk (approx. 30 minutes) or oral examination of one candidate each or oral examination in groups (approx. 30 minutes) or project report (approx. 8 pages)

2. Seminar: talk (approx. 30 to 45 minutes)

Assessment components 1 and 2 will be offered in German or English. Students must register for assessment components 1 and 2 online (details to be announced).

To pass this module, students must pass both assessment component 1 and assessment component 2.

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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**

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

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