## Module title

**FOKUS Research Module Type VK8I Interdisciplinary Research Fields**

### Abbreviation

11-FM-VK8I-072-m01

### Module coordinator

chairperson of examination committee

### Module offered by

Faculty of Physics and Astronomy

### ECTS

8

### Method of grading

numerical grade

### Duration

1 semester

### Module level

graduate

### Other prerequisites

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## Contents

Specific and advanced knowledge of independent scientific work in a current research area, especially in an interdisciplinary subject, 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.).

## Intended learning outcomes

The students have special and advanced knowledge of independent scientific work in a current research area, especially in an interdisciplinary specialist field, 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.

## Courses

<table>
<thead>
<tr>
<th>Type, number of weekly contact hours, language — if other than German</th>
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</thead>
<tbody>
<tr>
<td><strong>FOKUS Einführungsmodul Interdisziplinäre Fachgebiete (FOKUS Introductory Module Interdisciplinary Research Fields):</strong> V (2 weekly contact hours) + Ü/P (1 weekly contact hour), details on availability to be announced</td>
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<tr>
<td><strong>FOKUS Kompaktseminar Interdisziplinäre Fachgebiete (FOKUS Block Taught Seminar Interdisciplinary Research Fields):</strong> S (2 weekly contact hours), German or English, details on availability to be announced (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). Details on when assessment components 1 and 2 will be offered to be announced. To pass this module, students must pass both assessment component 1 and assessment component 2.

## 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 (2010) |
| Master’s degree (1 major) FOKUS Physics - Nanostructuring Technology (2006) |
| Master's degree (1 major) FOKUS Physics (2006) |