Module title | Abbreviation
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**FOKUS Research Module Type VMK14I Interdisciplinary Research Fields** | 11-FM-VMK14I-072-m01

<table>
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<tr>
<th>Module coordinator</th>
<th>Module offered by</th>
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<tr>
<td>chairperson of examination committee</td>
<td>Faculty of Physics and Astronomy</td>
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<th>ECTS</th>
<th>Method of grading</th>
<th>Other prerequisites</th>
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<tr>
<td>14</td>
<td>numerical grade</td>
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<th>Duration</th>
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<td>1 semester</td>
<td>graduate</td>
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Contents

Specific and advanced knowledge of independent scientific work in a current research area, especially in interdisciplinary subjects, 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 interdisciplinary specialist fields, 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

**FOKUS Einführungsmodul Interdisziplinäre Fachgebiete (FOKUS Introductory Module Interdisciplinary Research Fields):** V (3 weekly contact hours) + Ü/P (2 weekly contact hours), details on availability to be announced.

**FOKUS Kompaktseminar Interdisziplinäre Fachgebiete (FOKUS Block Taught Seminar Interdisciplinary Research Fields):** S (2 weekly contact hours), German or English, details on availability to be announced (block taught seminar (3 days), usually held during semester break).

**FOKUS Miniforschungsprojekt Interdisziplinäre Fachgebiete (FOKUS Mini Research Project Interdisciplinary Research Fields):** P (2 weekly contact hours), German or English, details on availability to be announced (approx. 3 weeks, part time).

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).
3. Research project: project report (approx. 8 pages).

Assessment components 1 through 3 will be offered in German or English. Students must register for assessment components 1 through 3 online (details to be announced). Details on when assessment components 1 through 3 will be offered to be announced.

To pass this module, students must pass each of the assessment components 1 through 3.

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) |