### Module title

<table>
<thead>
<tr>
<th>FOKUS Research Module Type VMK12D Didactics</th>
<th>Abbreviation</th>
<th>11-FM-VMK12D-072-m01</th>
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### Module coordinator

Chairperson of examination committee

### Module offered by

Faculty of Physics and Astronomy

### ECTS

12

### 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

Specific and advanced knowledge of independent scientific work in a current research area, especially in the discipline of Didactics, 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 the specialist field of Didactics, 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</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 Didaktik (FOKUS Introductory Module Didactics):</td>
<td>V (2 weekly contact hours) + Ü/P (1 weekly contact hour),</td>
<td>German or English,</td>
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<tr>
<td>FOKUS Kompaktseminar Didaktik (FOKUS Block Taught Seminar Didactics):</td>
<td>S (2 weekly contact hours),</td>
<td>details on availability to be announced (block taught seminar (3 days), usually held during semester break)</td>
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<tr>
<td>FOKUS Miniforschungsprojekt Didaktik (FOKUS Mini Research Project Didactics):</td>
<td>P (2 weekly contact hours),</td>
<td>German or English,</td>
<td>details on availability to be announced (approx. 3 weeks, part time)</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)
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 (2010)

Master's degree (1 major) FOKUS Physics (2006)