## Module title
FOKUS Research Module with Mini Research Project

## Abbreviation
11-FM4-MF-112-m01

### 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.

## Intended learning outcomes
The students have special and advanced knowledge of independent scientific work in a current research area. They have mastered the basics in theory and practice. They are able to reproduce the acquired knowledge, to apply the acquired methods and to summarise a topic of the selected research area in an oral presentation. They are able to successfully implement the acquired methods in a mini research project and to write down the results in a report.

## Courses
<table>
<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours, language — if other than German</th>
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</thead>
<tbody>
<tr>
<td>FOKUS Vorlesung zu aktuellen Forschungsthemen (FOKUS Lecture on Topics in Current Research):</td>
<td>V (2 weekly contact hours) + Ü/P (1 weekly contact hour), German or English, details on availability to be announced</td>
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<tr>
<td>FOKUS Kompaktseminar (FOKUS Block Taught Seminar):</td>
<td>S (2 weekly contact hours), German or English, details on availability to be announced</td>
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<tr>
<td>FOKUS Miniforschungsprojekt (FOKUS Mini Research Project):</td>
<td>P (2 weekly contact hours), German or English, details on availability to be announced</td>
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### Method of assessment
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

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 and 3 will be offered in German or English. Students must register for assessment components 1 and 3 online (details to be announced). Details on when assessment components 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 (2011)
Master’s degree (1 major) FOKUS Physics (2006)