## Module title

**FOKUS Research Module with Mini Research Project**

### Abbreviation

11-FM8-MF-112-m01

## Module coordinator

Chairperson of examination committee

## Module offered by

Faculty of Physics and Astronomy

## ECTS

16

## 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

- **FOKUS Vorlesung zu aktuellen Forschungsthemen (FOKUS Lecture on Topics in Current Research):** V (4 weekly contact hours) + Ü/P (2 weekly contact hours), German or English, details on availability to be announced.
- **FOKUS Kompaktseminar (FOKUS Block Taught Seminar):** S (2 weekly contact hours), German or English, details on availability to be announced.
- **FOKUS Miniforschungsprojekt (FOKUS Mini Research Project):** P (2 weekly contact hours), German or English, details on availability to be announced.

## 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 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)