### Module title
- FOKUS Research Module Type VK12I Interdisciplinary Research Fields

### Abbreviation
- 11-FM-VK12I-072-m01

### Module coordinator
- chairperson of examination committee

### Module offered by
- Faculty of Physics and Astronomy

### ECTS
- 12

### Method of grading
- Only after succ. compl. of module(s)
- 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
- **FOKUS Einführungsmodul Interdisziplinäre Fachgebiete (FOKUS Introductory Module Interdisciplinary Research Fields):** V (4 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)

### 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)