

| Module title  |                   | Abbreviation                         |
|---|-------------------|--------------------------------------|
| FOKUS Research Module with Mini Research Project  |                   | 11-FM6A-MF-112-mo1                   |
| Module coordinator  |                   | Module offered by                    |
| chairperson of examination committee  |                   | Faculty of Physics and Astronomy     |
| ECTS  | Method of grading | Only after succ. compl. of module(s) |
| 14  | numerical grade   | --                                   |
| Duration  | Module level      | Other prerequisites                  |
| 1 semester  | graduate          | --                                   |
| <b>Contents</b>   |                   |                                      |
| Specific and advanced knowledge of independent scientific work in a current research area.  |                   |                                      |
| <b>Intended learning outcomes</b>   |                   |                                      |
| 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.   |                   |                                      |
| <b>Courses</b> (type, number of weekly contact hours, language — if other than German)  |                   |                                      |
| FOKUS Vorlesung zu aktuellen Forschungsthemen (FOKUS Lecture on Topics in Current Research): V (3 weekly contact hours) + Ü/P (1 weekly contact hour), German or English, details on availability to be announced<br>FOKUS Kompaktseminar (FOKUS Block Taught Seminar): S (2 weekly contact hours), German or English, details on availability to be announced<br>FOKUS Miniforschungsprojekt (FOKUS Mini Research Project): P (2 weekly contact hours), German or English, details on availability to be announced   |                   |                                      |
| <b>Method of assessment</b> (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<br>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)<br>2. Seminar: talk (approx. 30 to 45 minutes)<br>3. Research project: project report (approx. 8 pages)<br><br>Assessment components 1 and 3 will be offered in German or English.<br>Students must register for assessment components 1 and 3 online (details to be announced).<br>Details on when assessment components will be offered to be announced.<br>To pass this module, students must pass each of the assessment components 1 through 3. |                   |                                      |
| <b>Allocation of places</b>   |                   |                                      |
| --  |                   |                                      |
| <b>Additional information</b>   |                   |                                      |
| --  |                   |                                      |
| <b>Workload</b>   |                   |                                      |
| --  |                   |                                      |
| <b>Teaching cycle</b>   |                   |                                      |
| --  |                   |                                      |
| <b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)  |                   |                                      |
| --  |                   |                                      |
| <b>Module appears in</b>  |                   |                                      |

Master's degree (1 major) FOKUS Physics (2010)  
Master's degree (1 major) FOKUS Physics (2011)  
Master's degree (1 major) FOKUS Physics (2006)